



#12

Sequence Listing

<110> Kumar Verma, Sunil
Singh, Lalji

<120> UNIVERSAL PRIMERS FOR WILDLIFE IDENTIFICATION

<130> U-013365-9

<140> 09/821782

<141> 2001-03-29

<160> 255

<210> 1

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Universal primer "mcb 398" for amplifying fragment of cytochrome b gene
of animal species

<400> 1

taccatgagg acaaataatcta ttctcg

25

<210> 2

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Universal primer "mcb 869" for amplifying fragment of cytochrome b gene
of animal species

<400> 2

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26

<210> 3

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> primer "AFF" for amplifying fragment of cytochrome b gene of animal species

<400> 3

ctagtagaaat gaatctgagg agg 23

<210> 4

<211> 23

<212> DNA

<213> Artificial Sequence

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<223> primer "AFR" for amplifying fragment of cytochrome b gene of animal species

<400> 4

tatgcaaata ggaagtatca ttc 23

<210> 5

<211> 328

<212> DNA

<213> adil.flesh

<220>

<223> DNA sequence generated from the confiscated skin of unknown animal origin using primers mcb398 and mcb869

<400> 5

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ttcatccttc catttatcat ctcagctcta gcagcagtcc acctccatt cttcacgag 120
acaggatcta acaaccctc aggaatagta tccgactcag acaaaattcc attccaccca 180

tactacacaa tcaaagatat cctgggcctt ctagtactaa tccttagcact catactactc
gtcctattct caccagacct gtaggagac cccgataact acatccctgc caaccctcta
aatacccttc cccatatcaa gcctgaat 240
300
328

<210> 6

<211> 328

<212> DNA

<213> bhz25t

<220>

<223> DNA sequence generated from the known tiger (*Panthera tigris tigris*)
animal number 1 using primers mcb398 and mcb869

<400> 6

tgaatctgag gaggcttctc agtagacaaa gcoaccctga cacgattctt tgccttccac 60
ttcatccttc catttatcat ctcagcccta gcagcagtcc acctcctatt cctccatgag 120
acaggatcta acaacccttc aggaatagta tctgactcag aaaaaatccc gtccaccca 180
tactacacaa tcaaagacat cctgggcctt ctagtactaa tcctaacact catactactc 240
gtcctattct caccagacct attagggac cccgataact acatccccgc caaccctcta 300
aacacccttc cccatatcaa gcgcgaat 328

<210> 7

<211> 328

<212> DNA

<213> bhz26t

<220>

<223> DNA sequence generated from the known tiger (*Panthera tigris tigris*)
animal number 2 using primers mcb398 and mcb869

<400> 7

tgaatctgag gaggcttctc agtagacaaa gccaccctga cacgattctt tgccttccac 60
ttcatccttc catttatcat ctcagcccta gcagcagtcc acctcctatt cctccatgag 120
acaggatcta acaacccttc aggaatagta tctgactcag aaaaaatccc gtccaccca 180
tactacacaa tcaaagacat cctgggcctt ctagtactaa tcctaacact catactactc 240
gtcctattct caccagacct attagggac cccgataact acatccccgc caaccctcta 300
aacacccttc cccatatcaa gcgcgaat 328

<210> 8

<211> 328

<212> DNA

<213> bhz30t

<220>

<223> DNA sequence generated from the known tiger (*Panthera tigris tigris*) animal number 3 using primers mcb398 and mcb869

<400> 8

tgaatctgag gaggcttctc agtagacaaa gccaccctga cacgatttt tgcccttccac	60
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acaggatcta acaacccttc aggaataatgt tctgacttag acaaaatccc gttccaccca	180
tactacacaa tcaaagacat cctgggcctt ctatgtactaa tccttaacact catactactc	240
gtcctattct caccagacat attagggac cccgataact acatccccgc caaccctcta	300
aacacccttc cccatatcaa gcgcgaat	328

<210> 9

<211> 328

<212> DNA

<213> bhz45t

<220>

<223> DNA sequence generated from the known tiger (*Panthera tigris tigris*) animal number 4 using primers mcb398 and mcb869

<400> 9

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acaggatcta acaacccttc aggaataatgt tctgacttag acaaaatccc gttccaccca	180
tactacacaa tcaaagacat cctgggcctt ctatgtactaa tccttaacact catactactc	240
gtcctattct caccagacat attagggac cccgataact acatccccgc caaccctcta	300
aacacccttc cccatatcaa gcgcgaat	328

<210> 10

<211> 328

<212> DNA

<213> bhz56t

<220>

<223> DNA sequence generated from the known tiger (*Panthera tigris tigris*)

animal number 5 using primers mcb398 and mcb869

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ttcatccttc catttatcat ctcagcccta gcagcagtcc acctcctatt cctccatgag	120
acaggatcta acaaccctc aggaatagta tctgactcg aaaaaatccc gttccaccca	180
tactacacaa tcaaagacat cctgggcctt ctgtactaa tcctaacaact catactactc	240
gtccttattct caccagacct attagggac cccgataact acatccccgc caaccctcta	300
aacaccctc cccatatcaa gcgcgaat	328

<210> 11

<211> 328

<212> DNA

<213> bhz63t

<220>

<223> DNA sequence generated from the known tiger (*Panthera tigris tigris*) animal number 6 using primers mcb398 and mcb869

<400> 11

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ttcatccttc catttatcat ctcagcccta gcagcagtcc acctcctatt cctccatgag	120
acaggatcta acaaccctc aggaatagta tctgactcg aaaaaatccc gttccaccca	180
tactacacaa tcaaagacat cctgggcctt ctgtactaa tcctaacaact catactactc	240
gtccttattct caccagacct attagggac cccgataact acatccccgc caaccctcta	300
aacaccctc cccatatcaa gcgcgaat	328

<210> 12

<211> 328

<212> DNA

<213> bhz20wt

<220>

<223> DNA sequence generated from the known white tiger (*Panthera tigris tigris*) animal number 1 using primers mcb398 and mcb869

<400> 12

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ttcatccttc catttatcat ctcagcccta gcagcagtcc acctcctatt cctccatgag	120
acaggatcta acaaccctc aggaatagta tctgactcg aaaaaatccc gttccaccca	180
tactacacaa tcaaagacat cctgggcctt ctgtactaa tcctaacaact catactactc	240

gtcctattct caccagacct attagggac cccgataact acatccccgc caaccctcta 300
aacacccctc cccatatcaa gcgcgaat 328

<210> 13

<211> 328

<212> DNA

<213> bhz22wt

<220>

<223> DNA sequence generated from the known white tiger (*Panthera tigris tigris*) animal number 2 using primers mcb398 and mcb869

<400> 13

tgaatctgag gaggcttctc agtagacaaa gccaccctga cacgattctt tgccttcac 60
ttcatccttc catttatcat ctcagcccta gcagcagtcc acctcctatt cctccatgag 120
acaggatcta acaacccctc aggaatagta tctgactcg aaaaaatccc gttccaccca 180
tactacacaa tcaaagacat cctgggcctt ctgtactaa tcctaacact catactactc 240
gtcctattct caccagacct attagggac cccgataact acatccccgc caaccctcta 300
aacacccctc cccatatcaa gcgcgaat 328

<210> 14

<211> 328

<212> DNA

<213> bhz23wt

<220>

<223> DNA sequence generated from the known white tiger (*Panthera tigris tigris*) animal number 3 using primers mcb398 and mcb869

<400> 14

tgaatctgag gaggcttctc agtagacaaa gccaccctga cacgattctt tgccttcac 60
ttcatccttc catttatcat ctcagcccta gcagcagtcc acctcctatt cctccatgag 120
acaggatcta acaacccctc aggaatagta tctgactcg aaaaaatccc gttccaccca 180
tactacacaa tcaaagacat cctgggcctt ctgtactaa tcctaacact catactactc 240
gtcctattct caccagacct attagggac cccgataact acatccccgc caaccctcta 300
aacacccctc cccatatcaa gcgcgaat 328

<210> 15

<211> 328

<212> DNA

<213> bhz28wt

<220>

<223> DNA sequence generated from the known white tiger (*Panthera tigris tigris*) animal number 4 using primers mcb398 and mcb869

<400> 15

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ttcatccttc catttatcat ctcagcccta gcagcagtcc acctcctatt cttccatgag	120
acaggatcta acaacccttc aggaatagta tctgactcg aaaaaatccc gttccaccca	180
tactacacaa tcaaagacat cctgggcctt ctgtactaa tcctaacaact catactactc	240
gtcctattct caccagacct attaggggac ccgataact acatccccgc caaccctcta	300
aacacccttc cccatatcaa gcgcgaat	328

<210> 16

<211> 328

<212> DNA

<213> gz1L

<220>

<223> DNA sequence generated from the known leopard (*Panthera pardus*) animal number 1 using primers mcb398 and mcb869

<400> 16

tgaatctgag gaggcttctc agtagacaaa gctaccttgaa cacgattctt tgccttccac	60
ttcatccttc catttatcat ctcagctcta gcagcagtcc acctcctatt cttcacgag	120
acaggatcta acaacccttc aggaatagta tccgactcg aaaaaattcc attccaccca	180
tactacacaa tcaaagatct cctgggcctt ctgtactaa tcctagcact catactactc	240
gtcctattct caccagacct gtttaggagac ccgataact acatccctgc caaccctcta	300
aataacccttc cccatatcaa gcctgaat	328

<210> 17

<211> 328

<212> DNA

<213> gz2L

<220>

<223> DNA sequence generated from the known leopard (*Panthera pardus*) animal number 2 using primers mcb398 and mcb869

<400> 17

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ttcatccttc catttatcat ctcagctcta gcagcagtcc acctcttatt cttcacgag	120
acaggatcta acaaccctc aggaatagta tctgactcag aaaaaattcc attccaccca	180
tactacacaa tcaaagacat cctggccctt ctgtactaa tcttagcact catactactc	240
gtccttattct caccagacct gttggagac cccgataact acatccccgc caaccctcta	300
aatacccttc cccatatcaa gcctgaat	328

<210> 18

<211> 328

<212> DNA

<213> gz3L

<220>

<223> DNA sequence generated from the known leopard (*Panthera pardus*) animal number 3 using primers mcb398 and mcb869

<400> 18

tgaatctgag gaggcttctc agtagacaaa gctaccttga cacgatttt tgccttccac	60
ttcatccttc catttatcat ctcagctcta gcagcagtcc acctcttatt cttcacgag	120
acaggatcta acaaccctc aggaatagta tctgactcag aaaaaattcc attccaccca	180
tactacacaa tcaaagacat cctggccctt ctgtactaa tcttagcact catactactc	240
gtccttattct caccagacct gttggagac cccgataact acatccccgc caaccctcta	300
aatacccttc cccatatcaa gcctgaat	328

<210> 19

<211> 328

<212> DNA

<213> gz21CL

<220>

<223> DNA sequence generated from the known clouded leopard (*Neofelis nebulosa*) animal number 1 using primers mcb398 and mcb869

<400> 19

tgaatctgag gaggcttctc agtagacaaa gccaccctga cacgatttt cgcccttccac	60
ttcatccttc catttatcat ctcagccta gcagcagtcc accttcttatt tctccatgaa	120
aaggatcca ataaccctc aggaatggta tccgattcag aaaaaatccc gttccaccccg	180
tactatacaa tcaaagatat cctaggcctc ctgttctaa ttcttagcgct cacactactt	240
gttcttattct cccagacct actaggagac cctgacaatt acactccccgc caaccctcta	300
aatacccttc cccatatcaa gcctgaat	328

<210> 20

<211> 328

<212> DNA

<213> gz22CL

<220>

<223> DNA sequence generated from the known clouded leopard (*Neofelis nebulosa*) animal number 2 using primers mcb398 and mcb869

<400> 20

tgaatctgag gaggtttctc agtagacaaa gcccacccgtga cacgattttt cgccttccac	60
ttcatccttc catttatcat ctccggcccta gcaggcgttc accttctatt tctccatgaa	120
aaggatcca ataacccttc aggaatggta tccgattcag acaaaatccc gttccacccg	180
tactatacaa tcaaagatat cctaggcctc ctatgttctaa ttcttagcgct cacactactt	240
gttctattct cccagacct actaggagac cctgacaatt acactccccgc caaccctcta	300
aataacccttc cccatatcaa gcctgaat	328

<210> 21

<211> 328

<212> DNA

<213> darz14SL

<220>

<223> DNA sequence generated from the known snow leopard (*Panthera unica*) animal number 1 using primers mcb398 and mcb869

<400> 21

tgaatctgag gaggtttctc agtacacaaa gcccacccgtga cacgattttt tgccttccac	60
ttcatccttc catttatcat ctccggcccta gcaggcgttc accttctatt cctccatgag	120
acaggatcta acaacccttc aggaatagta tctgactcag acaaaatccc gttccacccca	180
tactacacaa tcaaagacat cctggccctt ctatgttctaa tcctaacact catactactc	240
gtcctattct caccagacct attaggggac gccgataact acatccccgc caaccctcta	300
aacacccttc cccatatcaa gcccgaat	328

<210> 22

<211> 328

<212> DNA

<213> darz15SL

<220>

<223> DNA sequence generated from the known snow leopard (*Panthera unica*) animal number 2 using primers mcb398 and mcb869

<400> 22

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ttcatccttc catttatcat ctcagcccta gcagcagtcc acctcctatt cctccatgag	120
acaggatcta acaaccctc aggaatagta tctgactcg aaaaaatccc gttccaccca	180
tactacacaa tcaaagacat cctgggcctt ctgtactaa tcctaacact catactactc	240
gtcctattct caccagacct attagggac gccgataact acatccccgc caaccctcta	300
aacaccctc cccatatcaa gcccgaat	328

<210> 23

<211> 328

<212> DNA

<213> darz16SL

<220>

<223> DNA sequence generated from the known snow leopard (*Panthera unica*) animal number 3 using primers mcb398 and mcb869

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ttcatccttc catttatcat ctcagcccta gcagcagtcc acctcctatt cctccatgag	120
acaggatcta acaaccctc aggaatagta tctgactcg aaaaaatccc gttccaccca	180
tactacacaa tcaaagacat cctgggcctt ctgtactaa tcctaacact catactactc	240
gtcctattct caccagacct attagggac gccgataact acatccccgc caaccctcta	300
aacaccctc cccatatcaa gcccgaat	328

<210> 24

<211> 328

<212> DNA

<213> sbz22AL

<220>

<223> DNA sequence generated from the known asiatic lion (*Panthera leo persica*) animal number 1 using primers mcb398 and mcb869

<400> 24

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ttcatccttc catttatcat ctcagcccta gcagcagtcc acctcctgtt cctccatgaa	120
acaggatcta ataaccctc aggaatggta tctgactcg ataaaattcc attccatcca	180
tactatacaa tcaaagatat cctaggcctt cttagtactaa tcttaacact catactactc	240
gtcctattct caccagacct attaggagat cccgacaact ataccccgc caatcctcta	300
agcaccctc cccatatcaa acctgaat	328

<210> 25

<211> 328

<212> DNA

<213> sbz38AL

<220>

<223> DNA sequence generated from the known asiatic lion (*Panthera leo persica*) animal number 2 using primers mcb398 and mcb869

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ttcattccttc catttatcat ctcagcccta gcagcagtcc acctcctgtt cctccatgaa	120
acaggatcta ataaccctc aggaatggta tctgactcg ataaaattcc attccatcca	180
tactatacaa tcaaagatat cctaggcctt cttagtactaa tcttaacact catactactc	240
gtcctattct caccagacct attaggagat cccgacaact ataccccgc caatcctcta	300
agcaccctc cccatatcaa acctgaat	328

<210> 26

<211> 328

<212> DNA

<213> sbz39AL

<220>

<223> DNA sequence generated from the known asiatic lion (*Panthera leo persica*) animal number 3 using primers mcb398 and mcb869

<400> 26

tgaatctgag gaggcttctc agtagacaaa gccaccctga cacgattctt tgccttccac	60
ttcattccttc catttatcat ctcagcccta gcagcagtcc acctcctgtt cctccatgaa	120
acaggatcta ataaccctc aggaatggta tctgactcg ataaaattcc attccatcca	180
tactatacaa tcaaagatat cctaggcctt cttagtactaa tcttaacact catactactc	240
gtcctattct caccagacct attaggagat cccgacaact ataccccgc caatcctcta	300
agcaccctc cccatatcaa acctgaat	328

<210> 27

<211> 328

<212> DNA

<213> humsk

<220>

<223> DNA sequence generated from the known human (*Homo sapiens sapiens*) using primers mcb398 and mcb869

<400> 27

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ttcatcttgc ctttcattat tgcagcccta gcagcactcc acctcctatt ctgcacgaa	120
acgggatcaa acaaccccct aggaatcacc tcccatccg ataaaatcat ctccaccct	180
tactacacaa tcaaagacgc ctcggctta cttctttcc ttcttcctt aatgacat	240
acactattct caccagacct cctaggcgac ccagacaatt ataccctagc caacccctta	300
aacacccctc cccacatcaa gcccgaat	328

<210> 28

<211> 328

<212> DNA

<213> chimss

<220>

<223> DNA sequence generated from the known chimpanzee (*pan troglodytes*) animal using primers mcb398 and mcb869

<400> 28

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acaggatcaa ataaccccct gggaaatcacc tcccatccg aaaaaattac ctccaccct	180
tactacacaa tcaaagatata cttggctta tccctttcc tccttatcct aatgacat	240
acactattct caccagacct cttggcgat ccagacaact ataccctagc taacccctta	300
aacacccctc cccacattaa acccgaat	328

<210> 29

<211> 472

<212> DNA

<213> Cervus nippon centralis

<400> 29

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ttccatataat tggcacaaac ctagtgaat gnatctgagg gggcttctca gtagataaaag	120
caaccctaac ccgattttc gcttccact ttattttcc atttatcatc gcagcacttg	180
ctatagtaca cttactcttc cttcacgaga caggatccaa caacccaaca ggaatcccatt	240
cggacgcaga caaaaatcccc ttccatcctt actacaccat taaagatatac tttaggcatt	300
tacttcttagt actcttccta atattactag tattattcgc accagacctg cttggagatc	360
cagacaacta taccggcagca aatccactca acacacccccc tcacatcaaaa cctgaatgat	420
acttcctatt tgcatcgtatc atcctacgat caattcccaa caaacttagga gg	472

<210> 30

<211> 472

<212> DNA

<213> Cervus nippon yesoensis

<400> 30

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ttccatataat tggcacaaac ctagtgaat gnatctgagg gggcttctca gtagataaaag	120
caaccctaac ccgattttc gcttccact ttattttcc atttatcatc gcagcacttg	180
ctatagtaca cttactcttc cttcacgaga caggatccaa caacccaaca ggaatcccatt	240
cggacgcaga caaaaatcccc ttccatcctt actacaccat taaagatatac tttaggcatt	300
tacttcttagt actcttccta atattactag tattattcgc accagacctg cttggagatc	360
cagacaacta taccggcagca aatccactca acacacccccc tcacatcaaaa cctgaatgat	420
acttcctatt tgcatcgtatc atcctacgat caattcccaa caaacttagga gg	472

<210> 31
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 <212> DNA
 <213> Cervus nippon keramae
 <400> 31

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ttccatacat	tggcacaaac	ctagtcaat	ggatctgagg	aggctttca	gtagataaaag	120
caaccctaac	ccgattttc	gccttccact	ttattcttc	atttatcatc	acagcactcg	180
ctatagtaca	cttactcttc	tttcacgaga	caggatccaa	caacccaaca	ggaatcccat	240
cggacgcaga	aaaaatcccc	ttccatcctt	actataccat	taaagatatac	ctaggcatct	300
tacttctagt	actcttcctg	atattactag	tattattcgc	accagacctg	cttggagatc	360
cagacaacta	caccccgagca	aatccgctca	acacacccccc	tcacatcaaa	cctgaatgat	420
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<210> 32
 <211> 472
 <212> DNA
 <213> Cervus nippon pulchellus
 <400> 32

taccatgagg	acaaatatca	ttctgaggag	caacagtcat	taccaacctt	ctctcagcaa	60
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caaccctaac	ccgattttc	gccttccact	ttattcttc	atttatcatc	acagcactcg	180
ctatagtaca	cttactcttc	tttcacgaga	caggatccaa	caacccaaca	ggaatcccat	240
cggacgcaga	aaaaatcccc	ttccatcctt	actataccat	taaagatatac	ctaggcatct	300
tacttctagt	actcttcctg	atattactag	tattattcgc	accagacctg	cttggagatc	360
cagacaacta	caccccgagca	aatccgctca	acacacccccc	tcacatcaaa	cctgaatgat	420
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<210> 33
 <211> 472
 <212> DNA
 <213> Cervus nippon nippon
 <400> 33

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caaccctaac	ccgattttc	gccttccact	ttattcttc	atttatcatc	acagcactcg	180
ctatagtaca	cttactcttc	tttcacgaga	caggatccaa	caacccaaca	ggaatcccat	240

cggacgcaga caaaaatcccc ttccatcctt actataccat taaagatatc ctaggcattc	300
tacttctagt acttttcctg atattactag tattattcgc accagacctg ctggagatc	360
cagacaacta caccggcgtca aatccgctca acacacccccc tcacatcaa cctgaatgat	420
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<210> 34

<211> 472

<212> DNA

<213> *Cervus elaphus scoticus*

<400> 34

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caaccctaac ccgattttc gcttccact ttattctcc atttatcatc gcagcactcg	180
ctatagtaca cttactcttc cttcacgaaa caggatctaa taacccaaca ggaattccat	240
cagacgcaga caaaaatcccc tttcatcctt attataccat taaagatatc ttggcatct	300
tacttcttgt actcttctta atattactag tattattcgc accagaccta ctggagatc	360
cagataacta caccggcgtca aacccactca acacacccccc tcataattaaa cctgaatgat	420
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<210> 35

<211> 472

<212> DNA

<213> *Cervus dama*

<400> 35

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caaccctaac tcgattttc gcttccact ttattctacc attcatcatt gcggcacttg	180
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cagatgtaga taaaattccc tttcatccct actacaccat taaagatatt ttggcatcc	300
tattcctatt tctttctta ataacactag tactattgc accagacttg ctggagacc	360
cagacaaata cactccagca aatccactca acacacctcc tcataattaaa cccgaatgat	420
atttcctatt tgcatcgtca atcctacgat caattcccaa taaatttagga gg	472

<210> 36

<211> 472

<212> DNA

<213> *Rangifer tarandus*

<400> 36

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caaccctaacc ccgattttt gcttttact ttattcttc atttattatc gcagcactcg	180
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cagactcaga taaaattcca ttccatcccatttataactat caaagacatt ctggcatcc	300
tactcctaatttctt atactactag tattattgc accagactta ctggagacc	360
cagacaactatccccagca aacccactca acactcccccc tcataaaaaa cctgaatgat	420
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<210> 37

<211> 472

<212> DNA

<213> Moschus fuscus

<400> 37

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caacactcac tcgattcttt gcctttact tcattctccc atttatcatc gcagcactcg	180
ctatggttca cctactcttt ctccacgaaa caggatccaa caacccaaca ggaatcacat	240
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tattactaat ctttagtctta ataacactag tactattcac acctgattta ctggagacc	360
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<210> 38

<211> 472

<212> DNA

<213> Moschus leucogaster

<400> 38

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caacactcac ccgattcttt gccttcact tcattctccc atttatcatc gcagcactcg	180
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tattactaat ctttagtctta ataacactag tactattcac acctgattta ctggagacc	360
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<210> 39

<211> 472

<212> DNA

<213> Moschus chrysogaster

<400> 39

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caacactcac tcgattctt gccttcact tcattctccc atttatcatc gcagcactcg	180
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<210> 40

<211> 472

<212> DNA

<213> Moschus berezovskii

<400> 40

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<210> 41

<211> 472

<212> DNA

<213> Moschus moschiferus

<400> 41

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caacactcac ccgattctt gccttcact ttatctccc atttatcatt gcagcactcg	180
ccatggttca tctactctt ctccatgaaa caggatccaa taacccaaca ggaatcacat	240
cagacataga caaaatccca ttccacccct actacaccat caaagatatt cttagtgtatcc	300
tattactaat cttaatctta atagcactag tgctattac acccgaccta cttggagatc	360
cggacaacta tactccagca aaccattaa atacacctcc acatattaaa cccgaatggt	420
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<210> 42
 <211> 472
 <212> DNA
 <213> Kobus ellipsiprymnus
 <400> 42

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caacccttac ccgcgttcttc gccttccact ttattctccc atttatcatc gcggctatta      180
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tactactaat ccttagtccta atactcttag ttctattcgc ccccgaccta cttggagatc      360
ctgacaacta tgccccagca aacccactta acacgcccct cacaattaaa cctgaatgat      420
acttcttatt cgcatatgca attctacgat caatccccaa caaacttagga gg      472
  
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<210> 43
 <211> 472
 <212> DNA
 <213> Kobus megaceros
 <400> 43

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caacccttac ccgcgttcttc gccttccact ttatcctccc atttatcatc gcagctatcg      180
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cagacacaga caaaatccca ttccacccat attataccat caaagatatt cttagtgccc      300
tccttataat cctaatacta atactcttag tactatttgc ccccgaccta cttggagacc      360
ctgacaatta taccccagca aacccactta atacacctcc ccatattaaa cccgaatgat      420
atttcttatt cgcatacgca attttacggt caattcctaa taaaactggga gg      472
  
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<210> 44
 <211> 472
 <212> DNA
 <213> Redunca arundinum
 <400> 44

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caacccttac ccgcattcttc gccttccact ttatcctccc attcattatc acagccctcg      180
  
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ctatagtaca cctactattc ctccacgaaa caggatccaa caaccctaca ggaatctcat	240
cagatgtaga caaaatccca tttcatccat actatactat caaggacgtc cttaggcgcc	300
tactgcta atcttagtccata atgctcttag tattattcac ccctgaccta ctcggagatc	360
ccgacaatta tactccagca aatccactca acacaccccc tcataaaaa cccgaatgtat	420
acttcttatt tgcatatgca atcctacgat caatccccaa taaaacttagga gg	472

<210> 45

<211> 472

<212> DNA

<213> Redunca fulvorufula

<220>

<221> n

<222> 269;431

<223> unknown base

<400> 45

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caaccctcac tcgattcttc gccttccact ttatcctccc atttatcatc atagccctcg	180
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cagayatgga caaaatccca ttccacccnt actacaccat caaagayatt ctaggtgccc	300
tactactaat cctggcccta acactattag tactattcac ccctgaccta ctcggagacc	360
ccgacaatta caccccagca aacccactca acacaccccc tcacatcaaa ccagaatgtat	420
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<210> 46

<211> 472

<212> DNA

<213> Neotragus moschatus

<400> 46

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caaccctcac ccgattttt gccttccact tcattctccc atttatcatc gcagcactcg	180
ccatagtcca cttactcttc ctacacgaaa caggatccaa caacccaca ggaatctcat	240
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tcctactaat tctagtgcata acactcttag ttttatttgc acctgacctt ttaggagacc	360
cagacaacta caccccccgc aaccctctta acacgcctcc ccatatcaaa cccgaatgtat	420
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<210> 47

<211> 472

<212> DNA

<213> Pelea capreolus

<400> 47

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caaccctcac ccgattttt gccttccact ttattctccc atttattcatt gcagccctca	180
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tattactaat cctaattccta acactcctag tattatttc acctgaccta ttaggagacc	360
ctgacaatta cacccttgca aaccgcgtca acacaccccc tcatatcaaa cccgaatgat	420
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<210> 48

<211> 472

<212> DNA

<213> Antilope cervicapra

<400> 48

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caacccttac ccgattttc gccttccact ttatcctccc atttattcatt gcagccctta	180
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tactattaat tttaaccctc atgcttctag tcctattctc accggacctg cttggagacc	360
cagacaacta tacaccagca aacccactta atacaccccc acatatacg cccgaatgat	420
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<210> 49

<211> 472

<212> DNA

<213> Saiga tatarica

<400> 49

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caaccctcac ccgattttc gccttccact tcattcctccc atttattatc gcagctctcg	180
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cagattcaga caaaaatccca ttccacccct actacaccat taaagacatt ctaggcgccc	300
tactacttat tctaattcctc atacttctag tcctatttc accagacctg cttggagacc	360
cagacaacta cacrccagca aacccactta acacacccccc acatattaaa cccgaatgat	420
acttcctatt cgcatcgcata atcctccgat caattcctaa taaacttagga gg	472

<210> 50

<211> 472

<212> DNA

<213> *Gazella dama*

<400> 50

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caacactcac ccgattcttt gccttcatt tcatttccc attcatcatt gcagcccttg	180
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cagacaacta cacaccagca aatccactca atacacccccc acatattaag cctgagcgt	420
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<210> 51

<211> 472

<212> DNA

<213> *Ourebia ourebi*

<400> 51

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caactctaac ccgattcttt gccttcact tcatttccc attcatcatt gcagcccttg	180
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tcctactaat tctagccctc atgctctag tcatttcac accagacctg cttggagacc	360
cagacaacta tacaccagca aacccactaa atacacccccc acatattaaa cctgagtgg	420
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<210> 52

<211> 472

<212> DNA

<213> *Gazela gazella*

<400> 52

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caacactcac ccgattctt gctttcaact ttatcctccc attcatcatt gcagccctcg	180
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<210> 53

<211> 472

<212> DNA

<213> Raphicerus melanotis

<400> 53

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<210> 54

<211> 472

<212> DNA

<213> Madoqua kirkii

<400> 54

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caaccctcac ccgatttttc gccttcatt ttattctccc attcatttgcagccctag	180
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<210> 55

<211> 472

<212> DNA

<213> Antilocapra americana

<400> 55

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caaccctcac ccgattcttc gcattccact ttatcctccc attcatcatt gcagcactag	180
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tactaataat cttagcccta ataatactag tactattctc accagacctg ttaggagacc	360
ccgacaacta cacaccagct aacccactca acactcccc acacattaag ccagaatgtat	420
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<210> 56

<211> 472

<212> DNA

<213> Tragulus javanicus

<400> 56

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caacccttac acgattcttt gccttccact ttatcctcc atttatcatt acagccctag	180
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<210> 57

<211> 472

<212> DNA

<213> Tragulus napu

<400> 57

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<210> 58
 <211> 472
 <212> DNA
 <213> Balaenoptera acutorostrata
 <400> 58

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caacattaac	acgcttttt	gccttccact	tcatcctccc	ttttattatc	ctagcattag	180
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ccgacaacta	taccccagca	aacccactca	gtaccccagc	acacattaaa	ccagaatgat	420
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<210> 59
 <211> 472
 <212> DNA
 <213> Balaenoptera bonaerensis
 <400> 59

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tcccatacat	tggtaaccacc	ttagttaat	gaatctgagg	tggcttctct	gtagacaaaag	120
caacattaac	acgcttttc	gccttccact	tcatcctccc	tttcattatc	ctagcattag	180
caattgtcca	cctcattttc	ctccgcgaaa	caggatccaa	taacccaca	ggtattccat	240
ctgatataga	aaaaatccca	ttccacccct	attacacaaat	caaagacatt	ctaggcgccc	300
tactactaat	tctaacccta	ctaacactaa	ccctattcgc	accggacctg	ctcggagacc	360
ccgacaacta	caccccagca	aacccactca	gtaccccagc	acacattaaa	ccagaatgat	420
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<210> 60
 <211> 472
 <212> DNA
 <213> Balaenoptera borealis
 <400> 60

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caacactaac acgtttttt	gccttccact tcattctcc	cttcattatt ctatcactag	180
caatggtcca cctcattttc	ctccatgaaa caggatccaa	caacccaca ggtattccat	240
ccgacataga caaaatccca	ttccaccctt actacacagt	taaagacatt ctatcgccc	300
tactactaat cctaacccta	ctaatactaa ccctattcg	acccgacctg cttggagacc	360
cagacaacta caccggcagca	aatccactca gtacccca	acacattaaa ccagaatgtat	420
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<210> 61
 <211> 472
 <212> DNA
 <213> Balaenoptera edeni
 <400> 60

taccctgagg acaaataatca	ttttgaggcg caaccgtcat	caccaacctc ttatcagcaa	60
tcccatacat tggta	taccatccact ctatcgaaat ggttgcagg cggttctct	gtatcataaag	120
caacactaac acgtttttt	gccttccact ttatcctcc	cttcattatt ctatcactag	180
caatggtcca cctcattttc	ctccacgaaa caggatccaa	taacccaca ggtattccat	240
ccaacataga caaaatccca	ttccaccctt attacacaa	taaagacatt ctatcgccc	300
tactactaat cctaacccta	ctaatacgta ccctattcg	acccgaccta cttggagacc	360
cagacaacta cactccagca	aatccactca gtacccca	acacattaaa ccagaatgtat	420
atccctatt tgcatacgat	atccctacgat caatccccaa	caaatttaggc gg	472

<210> 62
 <211> 472
 <212> DNA
 <213> Eschrichtius robustus
 <400> 62

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caacactaac acgtttttt	gccttccact tcattcctcc	attcattatc ctatcactag	180
caattgtcca cctcattttc	ctccacgaaa cggatccaa	caacccaca ggcattccat	240

ccaacataga caaatatccca ttccaccctt attacacaat taaagacata ctaggcgccc	300
tgctactaat cctaacccta ctaatactaa ccctattcgc acccgacctg ctcggagacc	360
cagacaacta taccccgagca aaccactca gcaccccaac acatattaaa ccagagtgtat	420
atttcctatt tgcatatcgca atcctacgtat cgatccccaa caaatttaggc gg	472

<210> 63

<211> 472

<212> DNA

<213> Balaenoptera musculus

<400> 63

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caacactaac acgtttcttt gccttccact tcattctccc cttcatcatt atagcattag	180
caatcggtca cctcatcttc cttcacgaaa caggatccaa caacccaca ggtatccat	240
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tactactaat cctaacccta ctaatattaa ctctatttgc acccgactta ctcggagacc	360
cagacaacta caccggagca aaccactca gtaccccgac acacattaaa ccagagtgtat	420
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<210> 64

<211> 472

<212> DNA

<213> Megaptera novaeangliae

<400> 64

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caacactaac acgtttcttt gccttccact tcattctccc cttcatcatt acagcattag	180
caatcggtca cctcattttc ctccacgaaa caggatccaa caacccaca ggcattccat	240
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tattactaat cctaacccta ctaatgttaa ccatttcgc acctgacctg cttggagacc	360
cagataacta caccggagca aaccactca gtaccccgac acacattaaa ccagagtgtat	420
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<210> 65

<211> 472

<212> DNA

<213> Balaenoptera physalus

<400> 65

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caacactaac acgtttttt gccttcact ttatcctccc cttcatcatc ctagcattag	180
caattgtcca ctttatccca cttcacgaaa caggatccaa caacccaca ggcataccat	240
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tattactaat cctaattccta ctaataactaa ccctattcgc acccgaccta ctggagacc	360
cagacaacta taccccagca aaccactca gtacccagc acacattaaa ccagaatggt	420
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<210> 66

<211> 472

<212> DNA

<213> Caperea marginata

<400> 66

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cgacactaac tcgccttctt gcttccact tcattcctccc tttcattatt ctagcgctag	180
cagctgtca tctcctttc ctccacgaaa caggatctaa caacccaca ggcataccat	240
ccaacataga caaaattcca ttccacccct actacacaat taaagacatc ctggcggtcc	300
tactactaat cctgacccta ctaatattaa ctttatttac acctgacctg ctggagacc	360
ctgacaacta caccccagca aatccctca gcaccccagc acacatcaag ccagaatgat	420
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<210> 67

<211> 472

<212> DNA

<213> Cephalorhynchus commersonii

<400> 67

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caacactaac acgttttttgccttcact ttatcctccc attcatcatc acagcattag	180
cagccgtcca cttactattc ctacacgaaa caggatccaa caacccaca ggaatccat	240
ccaacataga cataatccca ttccacccctt attacacaat taaagacatc ctaggcgttt	300
tattcctaat cctaacccta ctagcattaa ccctatttgc ccccgaccta ctaggagacc	360
ctgataacta taccccagca aatccattaa gcaccccccgc acacatcaaa ccagagtgtat	420
acttcctatt cgcatatcgca atcctacgat caattcccaa taaacttgga gg	472

<210> 68

<211> 472

<212> DNA

<213> Cephalorhynchus eutropia

<400> 68

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tcccctacat cggtactacc tttagtagaat gaatctgagg cgattttcc gtagacaaag	120
caacactaac acgttttc gccttccact ttatcctccc attcatcatac acagcattag	180
cagccgtcca cctactattc ctacacgaaa caggatccaa caacccaca ggaatccat	240
ccaacataga cataatccca ttccaccctt attacacaaat taaagacatc cttaggcgtt	300
tattcctaatt cctaacccta ctgcactaa ccctattcgc ccctgaccta cttaggagacc	360
ctgataacta taccggcga aatccattaa gcaccccgac acacatcaaa ccagaatgt	420
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<210> 69

<211> 472

<212> DNA

<213> Lagenorhynchus obliquidens

<400> 69

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caacactaac acgttttc gccttccact ttatcctccc attcatcatac acagcattag	180
cagccgtcca cctactattc ctacacgaaa caggatccaa caacccaca ggaatccat	240
ccaacataga cataatccca ttccaccctt attacacaaat taaagacatc cttaggcgtt	300
tattcctaatt tctaacccta ctgcactaa ccctattcgc ccctgaccta cttaggagacc	360
ctgataacta taccggcga aatccattaa gcaccccgac acacatcaaa ccagaatgt	420
acttcctatt cgcatatgca atcctacgat caattcctaa taaaacttggaa gg	472

<210> 70

<211> 472

<212> DNA

<213> Cephalorhynchus heavisidii

<400> 70

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tcccctacat cggtactacc tttagtagaat gaatctgagg cgattttcc gtggacaaag	120
caacactaac acgttttc gccttccact ttatcctccc attcatcatac acagcattag	180
cagccgtcca tctactattc ctacacgaaa caggatccaa caacccaca ggaatccat	240
ccaacataga cataatccca ttccaccctt attacacaaat taaagacatc cttaggcgtt	300
tattcctaatt tctagcccta ctgcactaa ccctattcgc ccctgaccta ctgggagacc	360

ctgataacta taccccgagca aatccattaa gcaccccccgc acacatcaaa ccagaatgtat	420
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<210> 71

<211> 472

<212> DNA

<213> *cephalorhynchus hectori*

<400> 71

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caacactaac acgcgttttc gcctttcact ttatcctccc attcatcatc acagcattaa	180
cagccgtcca cttactattc ctacacgaaa caggatccaa caacccaca ggaattccat	240
ccaacataga cataatccca ttccaccctt attacacaat taaagacatc tttaggcgtt	300
tattcctaatttcttaat tcttaatccca ctagcactaa ccctattcgc ccctgaccta ctaggagacc	360
ctgataacta taccccgagca aatccattaa gcaccccccgc acacatcaaa ccagaatgtat	420
acttccttatt cgcatatgca atcctacgtat caatccctaa taaaacttgga gg	472

<210> 72

<211> 472

<212> DNA

<213> *Lagenorhynchus australis*

<400> 72

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caacactaac acgcgttttc gctttcact ttatcctccc attcatcatc acagcattag	180
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ccaacataga cataatccca ttccaccctt actacacaac taaagacatc tttaggcgtt	300
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ctgacaacta taccccgagca aatccattaa gcaccccccgc acacatcaaa ccagaatgtat	420
atttccttatttcttaat cgcatatgca atcctacgtat caatccctaa taaaactcgga gg	472

<210> 73

<211> 472

<212> DNA

<213> *Lagenorhynchus cruciger*

<400> 73

taccctgagg acagatata	caacagtcat caccaac	ctatcagcaa	60
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caacactaac acgttttc	gcttccact tcatcctccc	attcatcatc acagcattag	180
cagccgtcca cctgctattc	ctacacgaaa caggatccaa	caacccaca ggaatccat	240
ccaacataga cataatccca	ttccaccctt actacacaat	taaagacatc ctaggcgtt	300
tattccta	cttaacccta ctagcactaa	ccctgttcac ccctgaccta ctaggagacc	360
ctgacaacta taccccgagca	aatccattaa gcacccccgc	acacatcaaa ccagaatgat	420
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<210> 74

<211> 472

<212> DNA

<213> *Lagenorhynchus obscurus*

<400> 74

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caacactaac acgttttc	gcttccact ttatcctccc	attcatcatc acagcattag	180
cagccgtcca cctactattc	ctacacgaaa cagaatccaa	caacccaca ggaatccat	240
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ctgataacta taccccgagca	aatccattaa gcacccccgc	acacatcaaa ccagaatgat	420
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<210> 75

<211> 472

<212> DNA

<213> *Lissodelphis borealis*

<400> 75

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cagctgttca cctactattc	ctacacgaaa caggatccaa	caacccaca ggaattccat	240
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ctgataacta caccccgagca	aatccattaa gcacccctgc	acacatcaaa ccagaatggt	420
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<210> 76

<211> 472

<212> DNA

<213> Lissodelphis peronii

<400> 76

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caacactaac acgtttttc gctttccact ttatcctccc attcatcatc acagcattag	180
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ctgataacta caccggcga aatccattaa gcacccctgc acacatcaaa ccagaatgg	420
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<210> 77

<211> 472

<212> DNA

<213> Globicephala macrorhynchus

<400> 77

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caacactaac acgtttttc gctttccact ttatcctccc attcatcatc acagcattag	180
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ctgataacta tactccagca aatccactaa gcacccctgc acacatcaaa ccagaatgt	420
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<210> 78

<211> 472

<212> DNA

<213> Globicephala melas

<400> 78

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caacactaac acgtttttc gctttccact ttatcctccc attcatcatc acaacattag	180
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<210> 79

<211> 472

<212> DNA

<213> *Feresa attenuata*

<400> 79

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caacactaac acgtttttc gctttccact ttatcctccc attcatcatc acagcattag	180
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<210> 80

<211> 472

<212> DNA

<213> *Peponocephala electra*

<400> 80

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caacactaac acgtttttc gctttccact tcacccccc attcatcatc acagcattgg	180
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ctaacaacta taccggcagca aacccactaa gcacccctgc acacatcaaa ccagaatgtat	420
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<210> 81

<211> 472

<212> DNA

<213> *Grampus griseus*

<400> 81

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caacactaac acgtttttc gctttccact ttatcctccc attcatcatc acagcattag	180
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<210> 82	
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<212> DNA	
<213> Pseudororca crassidens	
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<210> 83	
<211> 472	
<212> DNA	
<213> Lagenorhynchus acutus	
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<211> 472	
<212> DNA	
<213> Orcinus orca	
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<210> 85

<211> 472

<212> DNA

<213> Orcaella brevirostris

<400> 85

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caacactaac	acgtttttc	gccttccact	ttatcctcc	attcatcatc	acagcactag	180
taactgttca	cctactattc	ctacacgaaa	caggatccaa	caatcctaca	ggaatcccat	240
ccaacataga	cataatccca	ttccaccctt	atcatacatt	taaagacatc	ctaggcgccc	300
tactcttaat	cttagtccct	ctaacactaa	ccctgttac	ccccgaccta	ctaggagacc	360
ctgataacta	tactccagca	aatccactaa	gcacccctgc	acacatcaaa	ccagaatgat	420
acttcctatt	cgcatacgc	atcctacgat	caattcctaa	taaactcggg	gg	472

<210> 86

<211> 472

<212> DNA

<213> Delphinus capensis

<400> 86

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tcccttatat	tggcactacc	ttagtcaat	gaatctgagg	tggattctcc	gtagacaaag	120
caacattaac	acgtttttc	gccttccact	ttatcctcc	attcatcatc	acagcattag	180
cagccgttca	cctgttattc	ctacacgaaa	caggatccaa	taaccccaca	ggaatcccat	240
ccaatataga	cataatccca	ttccaccctt	attatacaat	caaagatatc	ctaggtgcct	300
tactcctaat	cttaacccta	ctagcactga	ccctattcac	tccagaccta	ctaggagacc	360
ctgataacta	taccccgagca	aatccactaa	gcacccctgc	acatatcaaa	ccagaatgat	420
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<210> 87

<211> 472

<212> DNA

<213> *Delphinus tropicalis*

<400> 87

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tcccttatat tggcaactacc tttagtcaat gaatctgagg tggattctcc gtagacaaag	120
caacattaac acgtttttc gcttcact ttatcctccc attcatcatc acagcattag	180
cagccgttca cctgcttattc ctacacgaaa caggatccaa taacccaca ggaatccat	240
ccaatataga cataatccca ttccaccctt attatacaat caaagatatac ctaggtgcc	300
tactcctaattt cttaacccta ctagcaacta ccctattcac tcccgaccta ctaggagacc	360
ctgataacta tacccagca aatccactaa gcacccctgc acacatcaaa ccagaatgat	420
actttctatt cgcatatgca atcttacgat caatccctaa taaacttgga gg	472

<210> 88

<211> 472

<212> DNA

<213> *Delphinus delphis*

<400> 88

tgcctgagg acaaataatca ttctgaggcg caaccgtcat caccaacctc ttatcagcaa	60
tcccttatat tggcaactacc tttagtcaat gaatctgagg tggattctcc gtagacaaag	120
caacattaac acgtttttc gcttcact ttatcctccc attcatcatc acagcactag	180
cagccgttca cctgcttattc ctacacgaaa caggatccaa taacccaca ggaatccat	240
ccaatataga cataatccca ttccaccctt attatacaat caaagatatac ctaggtgc	300
tactcctaattt cttaacccta ctagcaacta ccctattcac tcccgaccta ctaggagacc	360
ctgataacta tacccagca aatccactaa gcacccctgc acacatcaaa ccagaatgat	420
actttctatt cgcatatgca atcttacgat caatccctaa taaacttgga gg	472

<210> 89

<211> 472

<212> DNA

<213> *Stenella clymene*

<400> 89

tgcctgagg acaaataatca ttctgaggcg caaccgtcat caccaacctc ctatcagcaa	60
tcccttatat tggcaactacc tttagtcaat gaatctgagg tggattctcc gtagacaaag	120
caacattaac acgtttttc gcttcact ttatcctccc gttcatcatc acagcattag	180
cagccgttca cctgcttattc ctacacgaaa caggatccaa taacccaca ggaattccat	240
ccaatataga cataatccca ttccaccctt attatacaat caaagatatac ctaggtgc	300
tactcctaattt cttaacccta ctagcaacta ccctattcac ccccgaccta ctaggagacc	360
ctgacaacta tacccagca aatccactaa gcacccctgc acacatcaaa ccagaatgat	420
actttctatt cgcatatgca atcttacgat caatccctaa taaacttgga gg	472

<210> 90
 <211> 472
 <212> DNA
 <213> Stenella coeruleoalba
 <400> 90

tgc	cctgagg	acaaatata	ca	ttctgaggcg	caaccgtcat	caccaac	ctc	ttatcagcaa	60
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ca	acatta	ac	ac	cgcttttc	gtttccact	ttatc	c	gtagacaaag	180
cag	ccgttca	cct	tgctattc	ctacacgaaa	caggatccaa	taacccaa	aca	ggaattccat	240
cca	aatataga	cataattcca	ttccaccc	ttt	attatacaat	taa	agatatc	ctaggtgc	300
tac	tcttaat	cttaacccta	ct	agcactaa	ccctattc	ac	ccc	gaccta	360
ctg	ataacta	taccc	cagca	aatccactaa	gcaccc	c	acatcaaa	ccagaatgat	420
act	tttctatt	cgcatac	gca	atcttacgat	caatcc	ctaa	acttgg	gg	472

<210> 91
 <211> 472
 <212> DNA
 <213> Tursiops aduncus
 <400> 91

tgc	cctgagg	acaaatata	ca	ttctgaggcg	caaccgtcat	caccaac	ctc	ttatcagcaa	60	
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ca	acacta	ac	ac	cgcttttc	gtttccact	ttatc	c	gtagacaaag	180	
cag	ccgttca	cct	tgctattc	ctacacgaaa	caggatccaa	taaccc	caca	ggaatccat	240	
cca	aatataga	cataatccca	ttt	accc	ttt	attatacaat	caa	agacatc	ctaggtgc	300
tac	tcttaat	cttaacccta	ct	agcactaa	ccctattc	ac	ccc	gaccta	ctaggaaacc	360
ctg	ataacta	taccc	cagca	aatccactaa	gtaccc	c	acatcaaa	ccagagt	420	
act	tttctatt	cgcatac	gca	atcttacgat	caatcc	ctaa	acttgg	gg	472	

<210> 92
 <211> 472
 <212> DNA
 <213> Stenella frontalis
 <400> 92

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tcc	cc	tat	at	tggactacc	ttagtga	aat	ctgagg	tggattctcc	120
ca	acatta	ac	ac	cgcttttc	gtttccact	ttatc	c	gtagacaaag	180
cag	ccgttca	cct	actattc	ctacacgaaa	caggatccaa	taaccc	caca	ggaatccat	240

ccaatataga cataatccca ttccaccctt attatacat caaagacatc ctaggcgcct	300
tactccta at cctaacccta ctagcactaa ccctattcac ccccgaccta ctaggagacc	360
ctgacaat ta accccagca aatccactaa gcacccctgc acacatcaa ccagaatgat	420
actttctatt cgcatacgca atcttacgat caatccctaa taaaacttgga gg	472

<210> 93

<211> 472

<212> DNA

<213> *Sousa chinensis*

<400> 93

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tcccttacat tggactacc tttagttaat gaatctgagg cggattttcc gtagacaaag	120
caacattaac acgcttttc gcttccact ttatcttcc cttcatcatc acagcattag	180
tagccgtca cctgctattc ctacacgaaa caggatccaa taaccctaca ggaattccat	240
ccaacataga cataatccca ttccaccctt attatacat caaagacatc ctaggtgcct	300
tactccta at cctaacccta ctagcactaa ccctattcac ccccgaccta ctaggagacc	360
ccgataacta tacccagca aatccactaa gcacccctgc acacatcaa ccagaatgat	420
atccctatt cgcatacgca atcttacgat caatccctaa taaaacttgga gg	472

<210> 94

<211> 472

<212> DNA

<213> *Stenella longirostris*

<400> 94

taccctgagg acaaataatca ttctgaggtg caaccgtcat caccaacctc ctatcagcaa	60
tcccttataat tggactacc ctagttaat gaatctgagg tggattttcc gtagacaaag	120
caacattaac acgcttttc gcttccatt ttatctccc attcatcatc acagcattag	180
cagccgtcca cctactattc ctacacgaaa caggatccaa taaccctaca ggaatccat	240
ccaacataga cataatccca ttccaccctt attatacat caaagacatc ctaggtggct	300
tactcttaat ctaacccta ctagcactaa ccctattcac ccctgactta ctaggagacc	360
ctgataacta tacccagca aatccactaa acacccctgc acacatcaa ccagaatgat	420
atccctatt cgcatacgca atcttacgat caatccctaa taaaacttgga gg	472

<210> 95

<211> 472

<212> DNA

<213> *Tursiops truncatus*

<400> 95

tgcctgagg acaaataatca ttctgaggcg caaccgtcat caccacccctc ttatcagcaa	60
tcccttatat cggtactacc tttagtgaat gaatctgagg tggattttcc gtagacaaag	120
caacatttaac acgtttttc gccttccact ttatttcc attcatcatc acagcattgg	180
cagccgttca cctactattc ctacacgaaa cagatccaa caacccaca ggaatcccatt	240
ccaatataga cataatccca ttccaccctt attataaat caaagacatc ctaggcgcct	300
tactcttaat cttaaccta ctagcattaa ccctattcgc ccccgaccta ctaggagacc	360
ctgataacta cacccttgc aatccactaa gcacccctgc acacatcaaa ccagaatggat	420
actttctatt cgcatatcgca atcttacgat caatccctaa taagctcgga gg	472

<210> 96

<211> 472

<212> DNA

<213> *Lagenorhynchus alborostris*

<400> 96

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tcccttatat cggtactacc ctagtgaat gaatctgagg tggattttcc gtagacaaag	120
caacactaac acgtttttc gccttccact ttatcctccc attcatcatc acagcactag	180
tagctgttca cctactattt ttacacgaga cagatccaa caacccaca ggaatcccatt	240
ccaacataga tataattccca ttccaccctt attacacaat caaagacatc ctaggcgcct	300
tacttttaat cttaaccta ctagcactaa ccctatttac ccccgaccta ctaggagatc	360
ccgataacta tacccttgc aatccactaa gcacccctgc acacatcaaa ccagaatggat	420
atttcctatt cgcatatcgca atcttacgat caatccctaa caaacttgga gg	472

<210> 97

<211> 472

<212> DNA

<213> *Steno bredanensis*

<400> 97

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tcccttacat cggtactacc ttggtagaat gaatctgagg cggattttcc gtagacaaag	120
caacactaac acgtttttc gccttccact ttatcctccc attcatcatc atagcattag	180
caactgttca cctactattc ctacacgaga cagatccaa caatccaca ggaatcccatt	240
ccaacataga tataatccca ttccaccctt attacacaat caaagacatc ctaggcgcct	300
tacttttaat cttaaccta ctagcactaa ccctatttac ccccgaccta ctaggagacc	360
ccgacaacta tacccttgc aatccactaa gcacccctgc acacatcaaa ccagaatggat	420
atttcctatt cgcatatcgca atcttacgat caatccccaa caaacttgga gg	472

<210> 98

<211> 472

<212> DNA

<213> Sotalia fluviatilis

<400> 98

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caacactaac acgcttttc gccttccact ttatcctccc atttataatc acagcattag	180
cagccgttca cctgctattc ctacacgaaa caggatccaa taatcccaca ggaatccat	240
ccaacataga tataattcca ttccaccctt attacacaat caaagatatac ctaggcgct	300
tactcctaatt cctgacccta ctagcactaa ccctattcac cccgaccta ctaggagatc	360
ccgacaacta tactccagca aatccactta acacccctgc acacatcaa ccagaatgat	420
atttcctatt cgcatatgca atcttacgat caatccctaa taaacttgga gg	472

<210> 99

<211> 472

<212> DNA

<213> Delphinapterus leucas

<400> 99

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tcccttacat cggtaacacc ttagtagaat gaatctgagg tgggttctcc gtagacaaag	120
caacactaac acgcttccact ttatcctccc attcatcatt acagcgctag	180
tagccgttca ttattatttc ctacacgaaa caggatccaa caacccaca ggaatccat	240
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tactactaat cctaacccta ttaacagtaa ccctattcac acctgacctc ctaggagacc	360
cagacaatta cacccagca aacccactaa acaccccccgc acacatcaa ccagaatggt	420
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<210> 100

<211> 472

<212> DNA

<213> Monodon monoceros

<400> 100

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caacactaac acgcttccactt accttccact ttatcctccc attcatcatc acagcactag	180
tggccgttca cttattatttc ctacacgaaa caggatccaa caacccaca ggaatccat	240
ccaacataga cataatcccc ttccatccctt actacacaat caaagacatg ctaggcgctt	300
tcctactaat cctaattcta ctagcaataa ccctactcac acctgacctc ctaggagacc	360
ctgacaatta taccggcagca aacccactaa gcacccctgc acacatcaa ccagaatgat	420
atttcctatt tgcatatcaca atccttacgat caatccccaa caaacttagga gg	472

<210> 101
 <211> 472
 <212> DNA
 <213> *Platanista gangetica*
 <400> 101

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caacactaac acgattctt gccttcaact tcatacctccc tttcatcatc ctaacactag	180
caattatcca cctactattc ctacacgaaa caggctcaaa caacccaca ggaattccat	240
ccgacactga caaaaatccct ttccacccct actacacaaat caaagacacc cttaggcgcc	300
tcatccta at cctaaccctca ctcacattaa ccttatttac acctgaccta cttaggagacc	360
ccgataacta caccccgagca aaccgcgtta ataccccgac acatataaaa ccagagtgtat	420
atttcctatt tgcatacgca atcttacggt caatccccaa taaacttagga gg	472

<210> 102
 <211> 472
 <212> DNA
 <213> *Platanista minor*
 <400> 102

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caacactaac acgattctt gccttcaact tcatacctccc tttcatcatc ctaacactag	180
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tcatccta at cctaaccctca ctcacattaa ccttatttac acctgaccta cttaggagacc	360
ccgataacta caccccgagca aaccgcgtta ataccccgac acatataaaa ccagagtgtat	420
atttcctatt tgcatacgca atcttacggt caatccccaa taaacttagga gg	472

<210> 103
 <211> 472
 <212> DNA
 <213> *Kogia breviceps*
 <400> 103

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ttccttatat cggcaccacc cttagtagaat gagtctgagg tggcttctcc gtagacaaaag	120
ccacattaac acgcttctt gccttcaact tcatacctccc ctttcatcatc ctgcactgg	180
caatggtcca cctcttattt ctccacgaaa caggatccaa caacccata ggaatccat	240

ccgacataga caaaatccca ttccaccctt actacacaat caaggacatc ttaggcggcc	300
tactgctaatttcagcgcta cttacattaa ccctattcgc accagaccta ttaggagacc	360
ctgacaacta caccggcactaa aacccactaa gcaccccgcc acacattaaa ccagaatgat	420
atttcttatt tgcatatgcc atcctacgat ccattctaa caaactaggg gg	472

<210> 104

<211> 472

<212> DNA

<213> *Kogia simus*

<400> 104

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tcccttacat cgccaccacc ctatgtggat gagtctgagg tggcttctcc gtggacaaag	120
ctacgctaacc acgcttcttt gcttccact ttattctccc cttcatcata ctagcactag	180
caataatcca cctccttattt ctccacgaaa caggatccaa caacccctta ggaattccctt	240
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tactactaat ctcagcacta ctcacactga ccctgttgcg acctgatcta ctaggagacc	360
ccgacaacta taccccgca aacccactaa gcaccccgcc acacattaaa ccagaatgat	420
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<210> 105

<211> 472

<212> DNA

<213> *Physeter catodon*

<400> 105

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caacactgac acgcttcttc actctccact tcattctccc ctttatcacc ctaacactaa	180
caatagtaca tctccttattt ctccatgaaa caggatccaa caacccacca ggaattccctt	240
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tactactaat cctatcccta cttacactaa ccctgttgcg acccgacactg ctaggagatc	360
ctgacaacta caccggcactaa aatccactaa ataccccaac acacatcaaa ccagaatgg	420
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<210> 106

<211> 472

<212> DNA

<213> *Lipotes vexillifer*

<400> 106

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tcccttacat cggaaccacc ctagtagat gagtctgagg gggattctca gtagacaag	120
caacattaac ccgttcttc gctctccatt tcataccttcc atttatttattt gtagcactaa	180
caaccgtcca cttactattt ctccatgaaa caggatccaa caacccaata ggaattccat	240
ctaacataga caaaaatcccc ttccacccctt accacacaat taaagatatac tttaggcgccc	300
ttctattaat atttgttcta ctcacactaa cttacttgc accagaccta ctcggagatc	360
ctgataatta taccccgca aacccactaa acactccgc acacatcaaa ccagaatgat	420
atttccttcc cgcatacgca attctacgat caatccccaa taaatttagga gg	472

<210> 107

<211> 472

<212> DNA

<213> Phocoena sinus

<400> 107

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tcccttacat cggcagcacf ctagtgaggta gaatctgagg tggattctcc gtagacaag	120
caacactaac acgttcttc gccttcattt ttatccttcc atttatcattt acagcactaa	180
taatcgtcca cttactattt ctccatgaaa caggctccaa caatcccaca ggaatcccg	240
ctaacataga cataatcccc ttccacccctt actatacaat caaagatatac tttaggcgccc	300
tactattttt tctaacttta ctaacactaa ctttattttt acctgacctt ctaggagacc	360
ccgataacta cattcccgca aacccactaa gcaccccgac acacattaaa ccagaatgat	420
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<210> 108

<211> 472

<212> DNA

<213> Berardius bairdii

<400> 108

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ccacactaac acgttctttt gccttcactt ttatcctccc ttatcattt ctaaccctag	180
cagccgtcca cttactattt ctccacgaaa caggatccaa caaccccaca ggaatcccat	240
ccaatataca taaaattcca ttccacccctt actatacaat caaagatatac tttaggagccc	300
tactactaat cctagcccta ctcacgctaa cccttatttgc acccgaccta ctaggagac	360
ccgacaacta taccccgca aacccgctca gcaccccaac acatattaag ccagaatgat	420
atttcctgtt cgcatacgca atcctacgat cagtcctaa taaacttaggg gg	472

<210> 109

<211> 472

<212> DNA

<213> Ziphius cavirostris

<400> 109

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tcccstatat cgccactact ctatcgaat gaatctgagg tggttttca gtagataaag	120
ccacactaac acgcttctt gccttcatt tcatccttc atttatttatt ttagccctag	180
cagccgtcca cttactattt ctccacgaaa caggatctaa taacccaca ggaatcccat	240
ccgatataga caaaatccca ttccacccctt attacacaat caaagacatc ctaggagccc	300
tactattaat cgtaattcta ctcgcactaa ccctattcgc acccgacctg ctaggagacc	360
ccgataacta tacccccagca aatccactca gcaccccccac acacattaag ccagaatgat	420
acttcctatt cgcatatcgca atcctacgat caattcccaa taaacttagga gg	472

<210> 110

<211> 472

<212> DNA

<213> Mesoplodon europaeus

<400> 110

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ctacactaac acgcttctt gccttcact ttatccttc attcatttatt ttagccctaa	180
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<210> 111

<211> 472

<212> DNA

<213> Mesoplodon bidens

<400> 111

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ccacattaaac acgcttcttc gccttcact ttatcctccc atttatttatt ttagccctag	180
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tactactaat tctaaccccta ctcgcactaa ccctattcgc acctgacctg ctaggagacc	360
ccgacaacta tacccccagca aaccctacta gcaccccccac ccacatcaaa ccagagtgg	420
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<210> 112

<211> 472

<212> DNA

<213> Mesoplodon densirostris

<400> 112

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ccacattaac acgtttttc gcttttcaact tcattctccc ctttattatt ctatccctaa     180
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tactattaat tctggcccta cttatactaa ccctatttgc acctgaccta cttaggagacc     360
ccgataatta tactccagca aaccctactca acactccagc acacatcaaa ccagagtgg     420
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<210> 13

<211> 472

<212> DNA

<213> Hyperoodon ampullatus

<400> 113

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ccacattaac ccgcgttttc gccctccact ttatcctccc attcattatt ctatccctag     180
caatcgttcca cctactattc ctccatgaaa caggatccaa caatcccaca ggaattccat     240
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tattactaat cctagtccta ctcacattaa ccctatttgc acccgaccta cttaggagacc     360
ctgataacta tacccccagca aaccctactca gcactccagc acacatcaaa ccagaatgg     420
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<210> 114

<211> 472

<212> DNA

<213> Hyperoodon ampullatus

<400> 114

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ccacattaac ccgcgttttc gccctccact ttatcctccc attcattatt ctatccctag     180
caatcgttcca cctactattc ctccatgaaa caggatccaa caatcccaca ggaattccat     240
ctgacataga caaaatcccg ttccacccat actacacaaat caaagacact cttagggccc     300
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tattactaat cctagtccta ctcacattaa ccctattcgc acccgaccta ctaggagacc	360
ctgataacta taccggcga aacccactca gcactccagc acacatcaa ccagaatgg	420
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<210> 115

<211> 472

<212> DNA

<213> Mesoplodon peruvianus

<400> 115

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ctacattaac acgattttt gccttccact ttattctccc atttattatc ttagctctaa	180
caattgtcca tttactatc ctacacgaaa caggatctaa taatcccata ggaatcttt	240
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tattataat tatagtccca cttataactaa ccctattgc acctgaccta ttaggagatc	360
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<210> 116

<211> 472

<212> DNA

<213> Pontoporia blainvilie

<400> 116

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caacactaac gcgattcttc gctttccatt ttatccttcc attcatttac acagccctag	180
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tattaataat cctaacaata ctcacgctga ctctattcac ccctgaccta ttaggagacc	360
cagacaacta tatcccagca aaccccatga atacccatga gcacattaaa ccagaatgg	420
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<210> 117

<211> 472

<212> DNA

<213> Hippopotamus amphibius

<400> 117

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caaacgcaga caaaatccca ttccacccctt attacacaat caaggacatc cttaggtatcc	300
tacttctaat aacaacacta ctcacactaa ccttatttgc cccagacctc cttaggggacc	360
cagacaacta caccccgca aacccctta gcacaccacc acacattaaa ccagaatgat	420
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<210> 118

<211> 472

<212> DNA

<213> Hexaprotodon liberiensis

<400> 118

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ccacccttac acgattctt gccttccact ttattcttc attcatcatc atagcactag	180
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caaacgcaga caaaatccca ttccacccctt attacacaat caaagatatc ctgggcgtac	300
tacttctaat aacaataacta ctcacactaa ccttatttgc cccagacctc cttaggggacc	360
cagacaacta caccccgca aacccctta gcacaccacc acacatcaaa ccagaatgat	420
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<210> 119

<211> 472

<212> DNA

<213> Rhinoceros sondaicus

<400> 119

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ctacccttac ccgattctt gccttccact tcatccttc ctttattatc ctatcttag	180
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<210> 120

<211> 472

<212> DNA

<213> Ceratotherium simum

<400> 120

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ccacacttac acgattttc gccttcaact ttatcctccc ctttattatc atagccctag	180
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ccaacataga caaaatccc ttccacccat actacacaat caaagacatc ctgggaattt	300
tactcctaatt ccttagacta ctgccttag ttctattctc accagacatc cttaggagacc	360
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<210> 121

<211> 472

<212> DNA

<213> Dicerorhinus sumatrensis

<400> 121

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ccaccctcac ccggttcttt gccttccact tcattcctccc cttcatcatc ctgccttag	180
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tacttcttaat cctagcccta ctcaccctag ttctattctc gcctgacctc cttaggagacc	360
cggacaacta cacacccgccc aaccctctca gcaccctcc acacattaaa ccagaatggt	420
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<210> 122

<211> 472

<212> DNA

<213> Equus asinus

<400> 122

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ccacccttac ccgatttttt gccttccact ttatttacc ctttatcatc acagccctgg	180
taatcgttca tctactattc ctccacgaaa caggatccaa caaccctca ggaatccat	240
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<210> 123

<211> 472

<212> DNA

<213> Babyroura babyrussa

<400> 123

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caaccctcac acgattctt gcttcact ttattctacc cttcatcatc accgctctcg	180
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<210> 124

<211> 472

<212> DNA

<213> Phacochoerus africanus

<400> 124

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caactctac acgattctt gccttccact tcattttacc ttttatcatc gtcgccttag	180
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tattcataat actaatcctg ctaatctag tattattctc cccagaccta ctaggagacc	360
cagacaacta taccctcagca aaccctactaa acacaccacc ccacatctaa ccagaatgtat	420
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<210> 125

<211> 472

<212> DNA

<213> Sus scrofa haplotype EWB3

<400> 125

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caaccctcac acgattctt gccttccact ttatcctgcc attcatcatc accgcccctcg	180
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tatttataat actaatccta ctaatccttgc tactattctc accagaccta ctaggagacc	360
cagacaacta caccctcagca aaccctactaa acacaccacc ccatattaaa ccagaatgtat	420

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472

<210> 126

<211> 472

<212> DNA

<213> Sus barbatus

<400> 126

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caacccttac acgatttttc gccttcaact ttatcctgccc ttctgtcatt accggccctcg	180
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tatttataat actaattccta ctaatcttag tactattctc accagaccta cttaggagacc	360
cagacaacta cacccagca aacccactaa acacccacc ccatattaaa ccagaatgat	420
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<210> 127

<211> 472

<212> DNA

<213> Lama glama

<400> 127

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ccacccttac acgatttttc gccttccact ttatcttacc ttttgcatt gcagctctag	180
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<210> 128

<211> 472

<212> DNA

<213> lama guanicoe

<400> 128

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<210> 129

<211> 472

<212> DNA

<213> Vicugna vicugna

<400> 129

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<210> 130

<211> 472

<212> DNA

<213> Camelus bactrianus

<400> 130

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<210> 131

<211> 472

<212> DNA

<213> Arctocephalus forsteri

<400> 131

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<210> 132

<211> 472

<212> DNA

<213> *Arctocephalus gazella*

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<210> 133

<211> 472

<212> DNA

<213> *Eumetopias jubatus*

<400> 133

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<210> 134

<211> 472

<212> DNA

<213> Zalophus californianus

<400> 134

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<210> 135

<211> 472

<212> DNA

<213> Odobenus rosmarus

<400> 135

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cggacaatta caccctcagcc aaccctctca gcaccccccacc ccataatcaaa cccgaatgat	420
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<210> 136

<211> 472

<212> DNA

<213> Phoca vitulina

<400> 136

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tacttctcat tcttagtctg acactactag tgctattctc acccgacctg tttaggagacc	360
ccgacaacta tatccctgcc aatccctaa gcaccccccacc acatatcaaa cctgaatggt	420
atttcctatt tgccatcgat atccctccgat ccattcccaa caaacttagga gg	472

<210> 137

<211> 472

<212> DNA

<213> Phoca fasciata

<400> 137

taccatgagg acaaatatca ttctgaggag caacagtcat cactaatcta ctatcagcaa	60
tccctatat cgaaaccgac ctgtacaat gaatctgagg aggatttca gttgataaag	120
caacccta acgattttc gccttccact ttatcctacc attttagta tcagcactag	180
cggcagttca cctactattc ctacacgaaa caggatccaa caaccctcc ggaatcgat	240
ccgactcaga caaaatccc ttccacccat actatacaat taaagatatac cttaggagccc	300
tactcctcat cctagtccta atactactag tactattctc acccgaccta cttaggagacc	360
ccgacaacta cacccttgcc aacccctaa gcacccacc acatatcaag cccgaatgat	420
actttctatt tgctacgca atcctacgat caatccccaa caaacttagga gg	472

<210> 138

<211> 472

<212> DNA

<213> Phoca groenlandica

<400> 138

taccatgagg gcaaatgtca ttctgaggag caacagttat cactaatcta ctatcagcaa	60
tccctacat cgaaaccgat ctgtacaat gaatctgagg agggttctca gttgataaag	120
caacccta acgattttc gccttccact tcatacttacc attcgttagta ttgcactag	180
cggcagttca tctactattc ttacacgaaa caggatccaa caacccacc ggaatcgat	240
ccgactcaga caaaatcccg ctccacccat attatacaat taaagatatac cttaggagccc	300
tactcctcat cctggtcctt atactactag tactgttctc acccgaccta ctggggagacc	360
ccgacaacta catccctgcc aatccctaa gtacccacc acatatcaag cccgaatgat	420
acttttatt tgctacgca atcctacgat caatccccaa caaacttagga gg	472

<210> 139

<211> 472

<212> DNA

<213> Cystophora cristata

<400> 139

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tccctacat cggagccgat ctgtagaat gaatctgagg gggatttca gtcgataaag	120
caactcta acggttttc gccttccact tcatacttacc attcgtcgta tcagcactag	180
caacagtcca cctactattc ctacacgaaa caggatctaa taatccctcc ggaatcacat	240

ccgactcaga caaaatccca ttccacccat actataacaat taaagacatc ctaggagccc	300
tactcctcat cctagttcta acactactag tgctattctc acccgatctg ctaggagacc	360
ccgacaacta tacccttgcc aacccctaa gtacccacc acatattaaa cctgaatgat	420
acttcctatt cgctatgca atcctacgat ctatccccaa caaactagga gg	472

<210> 140

<211> 472

<212> DNA

<213> *Hydrurga leptonyx*

<400> 140

tgccatgagg acaaatatca ttttgaggag caaccgttat taccaactta ctatcagcaa	60
ttccctacat cggaacctgac ctagtacaat gaatttgagg cgatttca gtcgacaaag	120
caaccctaac acgattctc gccttccact ttatccttcc ctgcgttagta tcagcactag	180
cagcagtaca tctactattc ttacacgaaa caggatccaa taaccctcc ggaattccat	240
ccaactcaga caaaatccca ttccacccct actacacaat caaagacatc ctaggagccc	300
tattcctcat tctaacccta atactactag tattattctc acccgaccta ctaggagacc	360
ccgacaacta tattcctgct aacccctaa gcacccacc acatatcaaa cccgaatgat	420
atttcctatt tgctatgca atcctacgat ccattccccaa taaactagga gg	472

<210> 141

<211> 472

<212> DNA

<213> *Leptonychotes weddelli*

<400> 141

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caaccctaac acgattctc gccttccact ttatccttcc ctgcgttagta tcagcactag	180
cagcagtaca tctactattc ttacacgaga caggatccaa caaccctcc ggaattccat	240
ctgactcaga caaaatccca ttccacccct actacacaat caaagacatc ctaggagccc	300
tactcctcat tctaacccta atattactag tattattctc acccgaccta ctaggagatc	360
ccgacaacta tactcccgct aatccctaa gtactccacc acatatcaaa cccgaatgat	420
atttcctatt tgctatgca atcctacgat ccattccctaa caaactagga gg	472

<210> 142

<211> 472

<212> DNA

<213> *Mirounga leonina*

<400> 142

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caaccctaac acgattttc gcctccact ttatcctacc attcgtagca ctagcactag	180
cagcagtaca tctactattc ctacacgaaa caggatccaa caaccctct ggaatccc	240
ccgactcaga caaaaatccca ttccacccat actacacaat caaagatatac ttaggagccc	300
tacttcttat tcttaacccta atactattag ttttattctc acccgactta ttaggagacc	360
ccgacaacta caccctgcc aatcccctaa gcaccccacc acatattaaa cccgaatgat	420
attcctatt tgccctacgca atcctacgat ctatccccaa caaacttagga gg	472

<210> 143

<211> 472

<212> DNA

<213> Erignathus barbatus

<400> 143

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caaccctaac acgattttc gcctccact ttatcctacc attttagtta ttagcattag	180
cagcagtcca cctattattc ctacacgaaa caggatccaa caaccctct ggaatctcg	240
ccgactcaga taaaattcca ttccacccat actatacagt caaggacatc ttagggcct	300
tacttctaat cctagttctt atactttag tgcatttctc acccgaccta ctgggagatc	360
ccgacaacta cactcccgt aacccctaa gcaccccacc acatattaaag cccgaatgat	420
attcctatt cgccctatgca atcctacgat ccatccccaa caaacttgga gg	472

<210> 144

<211> 472

<212> DNA

<213> Monachus schauinslandi

<400> 144

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tcccctacat cggaaccgtat ctagtacaat gaatctgagg cgggttctca gtagataaaag	120
caaccctaac acgattttc gcctccatt ttattatacc cttcatagta ttagcactag	180
cagcagtcca ttttattttt ctacacgaaa caggatccaa caatccctcc ggaattccat	240
ccaaactcaga caaaaatccca ttccacccat actatacaat taaagacatt ctaggagctt	300
tactccttat cctaattcta atactactag tactattctc acccgactta ctaggagacc	360
ctgacaacta catcccgt aacccctaa acactccacc acacattaaa cccgaatgat	420
attcctatt cgccctatgca atcctacgat ctatccccaa taaacttagga gg	472

<210> 145

<211> 472

<212> DNA

<213> *Helarctos malayanus*

<400> 145

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tcccctataat tggaacggac ctatcagaat gagtctgagg aggctttcc gtagacaagg	120
cgactctaac acgattctt gccttccact ttatccttc gttcatcatc ttggcactaa	180
cagcggtcca cctattattc ctacacgaaa cagggtccaa caatccctt ggaatcccatt	240
ctgactcaga caaaatccc ttccacccgt actatacaat taaggacatc ctaggcgccc	300
tacttcttac cctagcccta acaaccctag ttctattctc gccccactta cttaggagacc	360
ctgacaacta catccccgca aatccattga gcacccacc ccacatcaaa cccgaatggt	420
actttcttatt tgcttacgct atcctacgat ccattccctaa taaaacttagga gg	472

<210> 146

<211> 472

<212> DNA

<213> *Selenarctos thibetanus*

<400> 146

taccctgagg ccaaataatcc ttctgaggag cgactgtcat taccaacctc ctatcagcca	60
tcccctataat tggaacagac ctatcagaat gaatctgagg gggctttct gtagataaag	120
caacccttaac acgattctt gcttccact ttatccttc gttcatcatc cttagcactag	180
cagcagtcca tctattgttc ctacacgaaa cagggatccaa caaccctt ggaatcccatt	240
ccaactcgga caaaatccc ttccacccat actatacaat taaaagacgcc ctaggcgccc	300
tacttctcat cctagccta gcaactctag ttctattctc gccccactta cttaggagacc	360
ctgataacta tacccccgca aacccactga gcacccacc ccacatcaaa cccgaatgat	420
actttttatt tgcttacgct atcctacgat ccattccctaa caaacttagga gg	472

<210> 147

<211> 472

<212> DNA

<213> *Ailurus fulgens*

<400> 147

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ttcccctataat tggaactaac ctgttagagt gaatctgagg aggtttctca gtgcacaaaag	120
caactctaac tcgattctt gccttccact tcattcttc atttatacatt gcaacactag	180
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tactccttat cctaattctc atgacattag tactattttt acctgacttg cttgggtgatc	360
ctgataacta tattcccgct aacccattaa gcacaccacc ccattttaaa cctgagtgg	420
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<210> 148

<211> 472

<212> DNA

<213> Felis catus

<400> 148

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ccaccctaac acgattcttt ggcttccact tcattctcc attcattatc tcagccttag 180
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tagtactagt ttaaacactc atactactcg tcctattttc accagacctg cttaggagacc 360
cagacaacta catccccagcc aaccctttaa ataccctcc ccatattaaa cctgaatgat 420
acttcctatt cgcatatcgca atttcggat ccattctaa caaacttaggg gg 472

<210> 149

<211> 472

<212> DNA

<213> Canis familiaris

<400> 149

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caaccctaac acgattcttt gcattccatt tcattctcc ttcatcatc gcagctctag 180
caatagtaca cctcttattt ctacacgaaa cggatccaa caaccctca gaaatcacat 240
cagactcaga caaaattcca tttcaccctt actacacaaat caaggatatc cttaggac 300
tactctact cctaattccta atatcactag ttttattttc acctgaccta tttaggagacc 360
cagataacta caccctgca aaccctttaa acaccctcc acatattaaa cctgagtgtat 420
attttctatt cgctatgct atcctacgat ccattctaa taaatttagga gg 472

<210> 150

<211> 472

<212> DNA

<213> Talpa europaea

<400> 150

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cgacactcac acgattcttc gccttccact tcattctgcc atttatttattt gggcacttag 180
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cagatacggtaaaaaattcca tttcaccctt attacactat taaagacatc cttaggac 300
taatcctaat tatagctcta tcattcttag tattttttc acctgaccta tttaggagacc 360
cagacaattta catccccggca aaccctgctaa acacaccacc ccatattaaa cccgaatgg 420

acttcctatt tgcatatgcc atcctacgat caattcctaa taaatttagga gg	472
<210> 151	
<211> 472	
<212> DNA	
<213> <i>Glaucomys sabrinus</i>	
<400> 151	
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ctaccctaac ccgattttt gcatttcatt ttgcctccc ttttatttatt gctgccctag	180
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cagacaacta taccctcagcc aacccactca acacccctcc ccacatcaaa ccagaatgat	420
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<210> 152	
<211> 472	
<212> DNA	
<213> <i>Glaucomys volans</i>	
<400> 152	
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ctaccctaac ccgattttt gcatttcact tcattttcc ttttatttatt gccgctctag	180
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ctgactcaga caaaatccc ttccaccctt acttctcaat taaagataacc ctaggattct	300
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<210> 153	
<211> 472	
<212> DNA	
<213> <i>Hylopetes phayrei</i>	
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ctataattca ctttctcttt ctacacgaaa caggatcaaa taaccatca ggcctaattt	240
ccgattcaga caaaaatccca tttcacccat actattcaat taaagatctc ctaggcgc	300
ttattcttct cctaattttt ataaaacttag tactatttc ccccgatctt ttaggagacc	360
ctgacaacta caccggcc aacccactta acacccctcc tcataaaaa ccagaatgat	420
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<210> 154

<211> 472

<212> DNA

<213> *Petinomys setosus*

<400> 154

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tcccctataat tgAACAGTC ctgtcgaaat gaatttgggg gggattttcc gtagataagg	120
ctaccctaac ccgatttttc gcattccact ttgtgctgcc ctttatttatt gccggactgg	180
ctataatcca ctttctttt ctacacgaaa cagggtcaaa taatccatca ggtctaattt	240
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ttattcttct cctaattttt ataaaacttag tactatttc ccccgatctt ttaggagacc	360
ctgacaacta caccggcc aacccactta acacccctcc tcataaaaa ccagaatgat	420
actttctatt cgcatcgtat ctatccccaa taaatttagga gg	472

<210> 155

<211> 472

<212> DNA

<213> *Belomys pearsonii*

<400> 155

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caaccctaac acgatttttc gcattccact ttatcttacc atttatacgta gcagcccttg	180
caatagtcca ctttctttc ctccacgaaa ttgggtcaaa taatcccccc ggattaattt	240
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taatcttcgg ctttatattt acaaccccta ttcttattcgc ccctgatctc ctaggagacc	360
ctgacaacta tactccggcc aatccactta acacccctcc ccacataaaa ccagaatgat	420
actttctaat ttattacgca atccttcgat ccatccccaa caaacttagga gg	472

<210> 156

<211> 472

<212> DNA

<213> *Pteromys momonga*

<400> 156

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ctacccta acgattctt gcattccact ttgcctccc cttcattatc gcagccctag	180
caatagttca cctactttc cttcatgaaa cagggtccaa caacccatct ggacttacct	240
cggaatccga caaaatccca ttccacccct acttcacaat taaagacatt ttaggagcac	300
ttctccttgg cctocttatc ataatcttag tcctcttac tccagacctc cttggagacc	360
ccgacaacta taccggagcc aacccctca acactcccc tcatatcaaa ccagagtgtat	420
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<210> 157

<211> 472

<212> DNA

<213> Galago demidoff

<400> 157

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ctacccttac ccgattctt gcttccact ttatcctccc atttattatc acagcaatag	180
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<210> 158

<211> 472

<212> DNA

<213> Perodicticus potto

<400> 158

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ctacccta acgattctt gccttccact tcattctccc ctttattatc acagcactag	180
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tctttctt actaatctta ctcacccctag tcctattctc cccagaccta ttaggagacc	360
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<210> 159

<211> 472

<212> DNA

<213> Galago matschiei

<400> 159

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<210> 160

<211> 472

<212> DNA

<213> Galago moholi

<400> 160

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cagacaatta tatccctgcc aaccccttaa acacccacc acatattaaa ccagaatgtat	420
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<210> 161

<211> 472

<212> DNA

<213> Otolemur garnettii

<400> 161

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tcctcctctt tctaacccta ttctccctag tcctattctc ccccgacctt ctaggagacc	360
cagacaacta cacccttgcc aaccccttaa acacaccggcc ccatatcaaa cccgaatgtat	420
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<210> 162

<211> 472

<212> DNA

<213> Loris tardigradus

<400> 162

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caaccctcac acgatttttc gccttcaact tcatccttc attcatcata acagcattaa	180
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<210> 163

<211> 472

<212> DNA

<213> Nycticebus coucang

<400> 163

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ccacactcac acgatttttc gccttcaact ttatcctccc ttcatcgat gctgctctag	180
ttgtgattca cctcatctt ctacatgaaa caggctcaaa taatccatca ggaatctcat	240
cagactcaga taagattcca tttcacccct actactact taaagacccct ctaggatgg	300
ttttcctatt agcaacccta tctattctag tcttattctc ccctgacccctt ctaggagacc	360
ccgacaacta taccggcc aacccttag tcacccctcc acatatcaaa ccagaatgtat	420
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<210> 164

<211> 472

<212> DNA

<213> Mus musculus

<400> 164

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ccaccttgcac ccgatttttc gctttcaact tcatcttacc atttattatc gggcccttag	180
caatcgatca ctccttccctt ctccacgaaa caggatcaaa caacccaaaca ggattaaact	240
cagatgcaga taaaattcca tttcacccctt actatacaat caaagatatac ctaggtatcc	300

taatcatatt cttaattctc ataaccctag tattatttt cccagacata ctaggagacc	360
cagacaacta cataccagct aatccactaa acaccccccacc ccatattaaa cccgaatgat	420
atttcctatt tgcatacgcc attctacgct caatccccaa taaacttagga gg	472

<210> 165

<211> 472

<212> DNA

<213> Gorilla gorilla

<400> 165

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ctacccttac acgattctt accttccact ttatcctacc cttcatcatc acagccctaa	180
caaccctcca tctcttattt ctacacgaaa caggatcaaa caaccctcta ggcatcccct	240
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tcctctttct cctgaccttataacattaa cactattctc accagacctc ctatccat	360
cagacaacta caccccttgc aaccccttaa gcaccccccacc ccacatcaaa cccgaatgat	420
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<210> 166

<211> 472

<212> DNA

<213> Homo sapiens sapiens

<400> 166

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ccaccctcac acgattctt accttccact tcatcttgc cttcattattt gcagccctag	180
caacactcca cctcttattt ttgcacgaaa cgggatcaaa caacccctta ggaatcacct	240
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ttctcttctt cttcttccat atgacattaa cactattctc accagacctc ctatccat	360
cagacaatata tacccttagcc aaccccttaa acacccctcc ccacatcaag cccgaatgat	420
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<210> 167

<211> 472

<212> DNA

<213> Dugong dugong

<400> 167

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ccaccctcac ccgatttttc gccttacact tcacccctacc cttcatcgta accgccttag	180
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cagacaacta cacaccagcc aacccactaa acacccctcc ccacattaaa ccagaatgat	420
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<210> 168

<211> 472

<212> DNA

<213> *Elephas maximus*

<400> 168

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caaccttaaa ccgatttttc gccttccatt tcacccctcc atttactata gttgcactag	180
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cagactcaga caaaattccc ttccacccgt actatactat caaagacttc cttagggctac	300
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ctgacaacta cataccagct gatccactaa atactccct acacatcaaa ccagagtgat	420
acttccttt tgcttacgcc attctacgat ctgtaccaaa caaactagga gg	472

<210> 169

<211> 472

<212> DNA

<213> *Afropavo congensis*

<400> 169

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caaccctcac ccgatttttc gccttacact ttcttctccc ctttctaatt gcgaaatata	180
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cactcatgct cattccatc ctgacactag ccctactctc ccccaacctc ttaggtgatc	360
cagaaaaactt caccctcagca aaccctcttag taactcccc acacattaaa ccagaatgg	420
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<210> 170

<211> 472

<212> DNA

<213> Pavo muticus

<400> 170

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caaccctcac ccgattttc gcctacact ttctcctccc ctttgttaatc gcaggaatta	180
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ctcttatatt tatccccattc ctaacactag ccctatttctc ccccaatctc ctaggtgacc	360
cagaaaaactt taccaggca aaccccttag taacccccc gcacattaaa ccagaatgat	420
acttcttatt tgccatcgcc atccttcgtt caatccccaa caaacttagga gg	472

<210> 171

<211> 472

<212> DNA

<213> Tragopan blythii

<400> 171

tcccatgagg acaaatatca ttttgagggg ctaccgtcat cacaactta ttctcagcaa	60
tcccatatcat tggccaaacc ttagtagaat gagcctgagg aggctttca gttgacaatc	120
caaccctcac tcgattttc gcctacact tcctcctccc atttgttaatc gcaggaatta	180
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ctaactctga caaaatcca ttccaccgt actactccct caaagatata ctgggtctaa	300
cactcatgct cacccttc ctcacactag cattatttctc accgaaccta ttaggcgacc	360
cagaaaaactt caccaggca aacccactag taacccctcc ccatatcaaa ccagaatgat	420
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<210> 172

<211> 472

<212> DNA

<213> Tragopan satyra

<400> 172

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caaccctcac ccgattttc gcctacact tcctcctccc atttgttaatc gcaggaatta	180
ctatcataca cctcatttc ttacatgaat caggcttaa taacccactg ggcatctcat	240

ccaactctga caaaaatccca tttcatccat actactccct caaggatatc ctaggcctaa	300
cactcatgct caccccccctc ctcacactag ctttattctc accaaaccta ctaggtgatc	360
cagaaaacctt caccccgagca aaccctactag taacccttcc ccataaaaa ccagaatgat	420
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<210> 173

<211> 472

<212> DNA

<213> Tragopan caboti

<400> 173

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caacccttac ccgattctt gccctacact tcctcctccc attttaatc gcaggaatca	180
ccatcatcca cctcatctt ctagatgaat caggctctaa caacccttgc ggcatctcat	240
ctgactctga caaaaatccca ttccacccgt actactccct caaagatatc ctgggcctaa	300
cactcatact cactccttc ctcacactag ctttattttc accaaaccta ctaggtgacc	360
cagaaaacctt caccccgagca aacccttgg taactcctcc ccataatcaag ccagaatggt	420
atttctgtt cgcttatgcc atcctacgct caatcccaa caaactcgga gg	472

<210> 174

<211> 472

<212> DNA

<213> Tragopan temminckii

<400> 174

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tcccatacat tggccaaacc ctagtagaat gagtttgagg gggctttca gttgacaatc	120
caacccttac ccgattctt gccctacact tcctcctccc attttaatc gcaggaatta	180
ccatcatcca cctcatctt ctagatgaat caggctctaa caacccttgc ggcatctcat	240
ctaactctga caaaaatccca ttccacccgt actactccct caaagatatc ctgggcctaa	300
cactcatact cactccttc ctcacactag ctttattttc accaaaccta ctaggtgatc	360
cagaaaacctt caccccgagca aacccttgg taactcctcc ccataatcaag ccagaatgat	420
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<210> 175

<211> 472

<212> DNA

<213> Argusianus argus

<400> 175

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cactcatact cgctccattc cttacactaa ccctattcta cccaaaccta cttaggtgacc	360
cagaaaactt caccaggca aaccctttag taactccacc ccacatcaag ccagaatgtat	420
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<210> 176

<211> 472

<212> DNA

<213> Catreus wallichii

<400> 176

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caactctcac ccgattcttc gccctgact tcctccttcc ctgcgtattt gcaggaatca	180
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cacttataattt caccctttag ctaacactag ccctatttctc accaaatctt ctggcgacc	360
cagaaaactt caccaggca aatccattag taacccctacc acacattaaa ccagaatgg	420
acttccttatt tgcctacgct atcctacgct caatccaaa taaactcgga gg	472

<210> 177

<211> 472

<212> DNA

<213> Crossoptilon crossoptilon

<400> 177

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caaccctcac ccgattcttc gccctacact tcctcctccc ctgcgtattt gcaggaattha	180
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<210> 178

<211> 472

<212> DNA

<213> *Syrmaticus reevesi*

<400> 178

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caaccctcac ccgattcttc gcccttact ttctcctacc ctgcgtaatc acaggaatca	180
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cacttatact caccccatc ctcacactag ccctattctc acctaacctg ctaggcgacc	360
cagaaaactt cacccagca aaccactag taaccctcc tcacattaaa ccagaatgat	420
acttcctatt tgctacgct atcctacgct caatccccaa caaactgggg gg	472

<210> 179

<211> 472

<212> DNA

<213> *Bambusicola thoracica*

<400> 179

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caactctcac ccgattcttc gccttacact tcctactccc ctgcgtaatc gcaggaatta	180
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cccttatatt catcccatc ctgacactag ccctattctc ccctaacctc ctaggagacc	360
cagaaaactt cacccagca aaccactag taaccctcc acacataaa ccagagtgg	420
acttcctatt cgctatgct atcgtagat caatccccaa caaactcgga gg	472

<210> 180

<211> 472

<212> DNA

<213> *Francolinus francolinus*

<400> 180

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cccttatatt catcccttc cttacactag ccctattctc ccccaacctc ctaggcgacc	360
cggaaaactt cacccagca aaccactag taactctcc ccacataaa ccagaatgat	420
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<210> 181

<211> 472

<212> DNA

<213> *Ithaginis cruentus*

<400> 181

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caaccctcac ccgattcttc gccctacact ttctcctccc ctgcgaatc gcaggaatta	180
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cacttatact catccccttt cttacactag tcctattttc ccccaacctc cttaggagatc	360
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<210> 182

<211> 472

<212> DNA

<213> *Anthropoides paradisea*

<400> 182

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ccacattaac tcgattcttc actttacact tcctccttcc attcataatt atgggcctca	180
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tactcatact actcccactc ataaccctag ctctattctc accaaactta cttaggagacc	360
cagaaaaactt caccctagca aaccccttag tcacacctcc ccatatcaaa ccagaatgat	420
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<210> 183

<211> 472

<212> DNA

<213> *Anthropoides virgo*

<400> 183

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ccacattaac tcgattcttc acgttacact tcctccttcc attcataatt atgggcctca	180
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<212> DNA	
<213> Grus antigone antigone	
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<212> DNA	
<213> Grus antigone gillae	
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<212> DNA	
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ccacattaac tcgatttttc actttacact tcctccttcc cttcataatc ataggcctca	180
ccctaattcca cctcaccttc ctgcacgaat ccgggttcaaa caacccctta ggcatacgat	240
caaactgcga taaaatccca ttccaccctt acttttccctt aaaagatatc ctaggattca	300
cactcataact actttcactc ataaccctag ccctatttctc accaaaccta ctaggagacc	360
cagaaaactt caccctcagca aaccccttag tcacacctcc ccatatcaag ccagaatgat	420
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<210> 187

<211> 472

<212> DNA

<213> Grus leucogeranus

<400> 187

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ccacattaac tcgatttttc actttacact tcctccttcc attcataatc ataggcctca	180
ccctaattcca cctcaccttc ctgcacgaat ccgggttcaaa caacccctta ggcatacgat	240
caaactgcga taaaatccca ttccaccctt acttttccctt aaaagatatc ctagggttca	300
tactcataact actttcactc ataaccctag ccctatttctc accaaactta ctaggagacc	360
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<210> 188

<211> 472

<212> DNA

<213> Grus canadensis pratensis

<400> 188

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ccacattaac ccgatttttc actttacact tcctccttcc attcataatt ataggcctca	180
ccctaattcca cctcaccttc ctgcacgaat ccgggttcaaa caacccctta ggcattgtat	240
caaactgcga taaaatccca ttccaccctt atttttccctt aaaagatatc ctagggttca	300
tactcataact actttcactc ataaccctag ctctattttc accaaactta ctaggagacc	360
cagaaaactt caccctcagca gaccccttag tcacacctcc ccatatcaaa ccagaatgat	420
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<210> 189

<211> 472

<212> DNA

<213> Grus canadensis rowani

<400> 189

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cccta	cctcacccctc cttcacgaat ccggctcaaa caatccccta ggcattgtat	240	
caaact	cgca taaaatccca ttccacccctt attttcctt aaaagatatc cttagggttca	300	
tactcata	acttccactc ataaccctag ctctattttc accaaactta cttaggagacc	360	
cagaaaactt	caccccgca aacccttag tcacacccctc ccatatcaaa ccagaatgtat	420	
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<210> 190

<211> 472

<212> DNA

<213> *Grus canadensis tabida*

<400> 190

tac	ccatgagg acaaataatca ttctgagggg ctacagtcat taccaac	ttctcagccg	60
cata	ccatcg cggccaaacc ctcgtagaat gggctt gagg gggcttctca gtagacaatc	120	
ccacattaac	ccgattcttc actttacact tcctcctccc attcataatt ataggcctca	180	
cccta	cctcacccctc cttcacgaat ccggctcaaa caacccccta ggcattgtat	240	
caaact	cgca taaaatccca ttccacccctt attttcctt aaaagatatc cttagggttca	300	
tactcata	acttccactc ataaccctag ctctattttc accaaactta cttaggagacc	360	
cagaaaactt	caccccgca aacccttag tcacacccctc ccatatcaaa ccagaatgtat	420	
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<210> 191

<211> 472

<212> DNA

<213> *Grus canadensis canadensis*

<400> 191

tac	ccatgggg acaaataatca ttctgagggg ctacagtcat taccaac	ttctcagccg	60
cata	ccatcg cggccaaacc ctcgtagaat gggctt gagg gggcttctca gtagacaatc	120	
ccacattaac	ccgattcttc actttacact tcctcctccc attcataatt ataggcctca	180	
cccta	cctcacccctc cttcacgaat ccggctcaaa caacccccta ggcattgtat	240	
caaact	cgca taaaatccca ttccacccctt attttcctt aaaagatatc cttagggttca	300	
tactcata	acttccactt ataaccctag ctctattctc accaaactta cttaggagacc	360	
cagaaaactt	caccccgca aacccttag tcacacccctc ccatatcaaa ccagaatgtat	420	
acttttatt	tgcctacgct caatcccaaa caaacttagga gg	472	

<210> 192

<211> 472

<212> DNA

<213> Grus americana

<400> 192

taccatgagg acaaatatca ttttgggg ctacagttat caccaatctc ttctcagccg	60
tcccatacat cgccaaacc atcgtagaat gagcttgagg gggcttctct gtagacaacc	120
ccacattaac ccgattttc actttacact tcctcctccc attcataatc ataggcctca	180
ccctaattcca ctcaccccttc ctccacgaat ccggctcaaa caacccctta ggcatcgat	240
caaactgcga taaaatccca ttccacccctt attttcctt aaaagacatc ctaggattca	300
cactcatatt acttccactc ataaccctag ctctatccc accaaactta ctaggagacc	360
cagaaaactt cacccttccatc aacccttag tgacacctcc ccatattaag ccggatgtat	420
acttttatt tgcatacgcc atcctacgtt caatccaaa caaacttagga gg	472

<210> 193

<211> 472

<212> DNA

<213> Grus grus

<400> 193

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ccacattaac ccgattttc accttacact tcctcctccc attcataatc ataggcctca	180
ccctaattcca ctcaccccttc ctccacgaat ccggctcaaa caacccctta ggcatcgat	240
caaactgcga taaaatccca ttccacccctt attttcctt aaaagatatc ctagggttca	300
tactcatatt acttccactc ataaccctag ctctatccc accaaactta ctaggagacc	360
cagaaaactt cacccttccatc aacccttag tcacacctcc ccatattaag ccggatgtat	420
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<210> 194

<211> 472

<212> DNA

<213> Grus monacha

<400> 194

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ccacattaac tcgattttc accttacact tcctcctccc attcataatc ataggcctca	180
ccctaattcca ctcaccccttc ctccacgaat ccggctcaaa caacccctta ggcatcgat	240
caaactgcga taaaatccca ttccacccctt attttcctt aaaagatatc ctaggattca	300
tattcatatt acttccactc ataaccctag ctctatccc accaaactta ctaggagacc	360
cagaaaactt cacccttccatc aacccttag tcacacctcc tcatataaa ccggatgtat	420

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<210> 195	
<211> 472	
<212> DNA	
<213> Grus nigricollis	
<400> 195	
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<210> 196	
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<213> Grus japonensis	
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caacactaac	ccgattcttc	gccctacact	ttcttctccc	cttcgcaatc	gcaggcctca	180
ccctaattcca	cctcaccttc	tttcacgagt	ccggctcaaa	caacccctta	ggcatcatct	240
caaactgcga	caaattcca	ttccacccct	acttctccct	caaagatatc	ctaggcctta	300
cactcctact	tctgccacta	accaccctgg	ccctattctc	acccaaccta	ctaggtgacc	360
cagagaactt	caccccagcc	aaccccttag	tcacaccccc	tcacatcaag	ccagagtgg	420
acttccttt	tgcatacgcc	atcctacgct	ccatccccaa	caaacttagga	gg	472

<210> 198

<211> 472

<212> DNA

<213> *Rhea americana*

<400> 198

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tcccgatcat	cggacaaacc	ttggtagaat	gagcttgagg	ggggtttca	gtagacaacc	120
ctaccctaac	ccgattcttc	gccctgcact	tccttctccc	cttcctaattc	gcaggcatta	180
ctcttatcca	cctcaccttc	ctacacgaaa	ccgggtccaa	caacccctta	ggaatcgtat	240
ctcaactctga	caaattcca	ttccacccct	acttctccct	aaaagatgcc	ctaggactag	300
ctctcatatt	tatcccgctc	ctaaccctag	cccttctctc	acccaacctc	ctaggggacc	360
cagaaaactt	caccccagcc	aaccccttag	ttacaccccc	tcacatcaag	ccagaatgtat	420
atttcctatt	cgcttacgcc	atcctacgct	ccatccccaa	caaacttagga	gg	472

<210> 199

<211> 472

<212> DNA

<213> *Anthracoceros albirostris*

<400> 199

taccatgagg	gcaatatca	ttctgaggcg	ccaccgtcat	caccaaccta	tttcagcca	60
tcccatatcat	cggccaaacc	tttagtagaat	gggcctgagg	gggattctcc	gttgcacaacc	120
caaccctgac	acgattcttc	gccctacact	tttcctccc	gttcataatc	gcaggcctag	180
tcctaattca	cctgcattc	ctccacgaaat	caggctcaaa	caacccacta	ggcatcacat	240
ccaactgcga	caaattcca	ttccacccat	actttgcctt	aaaggacatc	ctaggattca	300
cagtaatact	cctcctctca	acctccctag	cccttctctc	ccccaccta	ctaggagacc	360
cagaaaactt	cacaccagca	aacccctgg	taactcccc	ccatattaag	ccagaatgg	420
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<210> 200

<211> 472

<212> DNA

<213> *Falco femoralis*

<400> 200

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tcccatacat cggtcaaacc ctatcgagt gggctgagg aggatttca gtagacaatc	120
caacactgac ccgattttc gccctacact tccttacc attcctaatac gcagggtca	180
ccttaatcca ctcaccccttc ctacatgaat cagttcaaa caaccccta ggaatcacat	240
caaactgcga taaaatccca ttccatccct attactctt caaagacctc ctaggattca	300
tactcatata ctcaccccta ataaccctag ccctattcac tcccaaccta ctaggagacc	360
cagaaaactt tacaccagca aatccctag tcacacccccc acacatcaaa ccagaatgat	420
acttcctatt tgcttacgcc atcctacgct caatccccaa caaacttaggt gg	472

<210> 201

<211> 472

<212> DNA

<213> Falco verpertinus

<400> 201

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caacactaaac ccgattttc gccctacact ttcttacc attcctaatac gcagggtca	180
ccctaattca ctcaccccttc ctacacgaat cagttcaaa caaccccta ggaatcacat	240
caaactgcga taaaatccca ttccatccct actactctt aaaagacctt ttaggagtca	300
tactcatata ctcaccccta ataaccctag ccctatttac cccaaactta ctaggagacc	360
cagaaaactt cacaccagca aacccctag tcacacccccc acacatcaaa ccagaatgat	420
acttcctatt tgcttacgcc atcctacgct caatccccaa caaactgggt gg	472

<210> 202

<211> 472

<212> DNA

<213> Falco peregrinus

<400> 202

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tcccatacat cggtcaaacc ctatcgaaat gagtttggggatttca gtagacaacc	120
caacactgac ccgattttc gccctacact tccttacc attcctaatac gcaggactca	180
ccctaattca ctcaccccttc ctacatgaat caggctcaaa taaccccta ggaatcacat	240
caaattgcga taaaatccca ttccacccat actactctt caaagatatac ctaggattta	300
tactcatata ctcaccccta ataaccctag ccctatttac cccaaacctg ctaggagacc	360
cagaaaactt tacaccagca aatccctag tcacacccccc acacatcaaa ccagaatgat	420
acttcctatt tgcttacgcc atcctacgct caatccccaa taaactgggc gg	472

<210> 203

<211> 472

<212> DNA

<213> Falco sparverius

<400> 203

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caacactaac ccgcttcttc gccttacact tcctcctacc attcctaatac gcagggctta	180
ccttaatcca cctcacccctc ctacatgaat caggttccaa caacccctta ggagtcacat	240
caaactgtga caaaatccca ttccacccct actactctc caaagacetc ctaggtttta	300
tgctcataact cctgccccta atagccctag ccctattcac cccaaacctg ctaggagacc	360
cagaaaactt cacaccagcg aaccccttag tcacccccc accacatcaaa ccagaatgat	420
acttcctatt tgccctacgct attctacgct caattcccaa caaatttaggc gg	472

<210> 204

<211> 472

<212> DNA

<213> Aythya americana

<400> 204

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caaccctaac tcgattcttc gccatccact tcctactacc ttccctaatac gcaggaatca	180
ccctagtc当地 cctaaacttcc ctgcacgagt caggctcaaa caacccctta ggcattgtat	240
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tcctcatgct cacccttccata atagcactag ccctattctc accaaacctc ctaggagacc	360
cagaaaactt taccctcagca aaccccttag taacccccc accacatcaaa ccagaatgat	420
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<210> 205

<211> 472

<212> DNA

<213> Smithornis sharpei

<400> 205

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ccacccttac ccgattcttc tcccttcaact tcctcctccc atttatcatc gcaaggctga	180
cactcatcca tctcacccctc ctccatgaaa caggttcaaa caaccctcta ggtatctcat	240
ctaactccga taaaatccca ttccacccat acttctccat aaaagacatt ctaggctttg	300
caatcataact aacaccacta ataaccctag ccatattctc tcctaacctc ctaggagacc	360
cagaaaattt cacaccggcc aactccctcg tcaactcccccc tcataatcaaa cccgaatgat	420
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<210> 206

<211> 472

<212> DNA

<213> *Vidua chalybeata*

<400> 206

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caacactcac ccgattcttc gccctacact tccttctacc ctgcgtcatt gcaggactca	180
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tactaatatt cgcaactcta gcttccatag ccctattctc cccaaacata cttaggagatc	360
cagaaaaactt cactccggcc aacccctaa tcacaccacc acatataaaa cccgaatgat	420
acttcctatt cgccctacgat ccatccccaaa caaacttagga gg	472

<210> 207

<211> 472

<212> DNA

<213> *Chrysemys picta*

<400> 207

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caacccttaac ccgatttttt acccttcaact tccttctacc atttacaatc ataggtctaa	180
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ttctaatact aaccctcta ctaaccctaa cactattctc tccaaacctt tttagggacc	360
cagataaactt cacaccggcc aacccctat ctacccccacc acatattaaa ccagaatgat	420
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<210> 208

<211> 472

<212> DNA

<213> *Emys orbicularis*

<400> 208

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caacccttaac ccgattcttc actttccatt tcttactgcc atttaccatt ataggcctaa	180
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caaacaccga taaaatccct ttccatccct acttctcata caaagaccta ttaggactca	300
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cagataactt tacaccagct aaccgcstat ccacccacc acatattaag ccagagtat	420
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<210> 209

<211> 472

<212> DNA

<213> Chelonia mydas

<400> 209

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caaccctaac ccgattcttc accttccact tcctattacc atttgccatt accggcctta	180
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caaataccga caaaatcccc ttccacccct acttctccta caaagactta ctaggactca	300
ttttaatact aacttcctc ctaacctaa cactttctc cccctactta ctaggagacc	360
cagacaactt cacaccagcc aaccctctat ccactcctcc ccacatcaaa ccagaatgtat	420
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<210> 210

<211> 472

<212> DNA

<213> Eumeces eggregius

<400> 210

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caaccctcac ccgatttttc acattccact tccttctgcc attcgctatt ataggggcct	180
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tcattatact gtctgttcta ctagccctcg ccctttctc accaaacctt cttaggcacc	360
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<210> 211

<211> 472

<212> DNA

<213> Antelope cervicapra

<400> 211

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caacccttac ccgattttc gccttccact ttatcctccc atttatcatt gcagcccta	180
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cagacgcaga caaaattcca ttccacccct actacactat caaagatatc ctaggagctc	300
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cagacaacta tacaccagca aacccactta atacaccccc acatatcaag cccgaatgat	420
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<210> 212

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Universal primer for amplifying a fragment of cytochrome b
gene of animal species in polymerase chain reaction

<400> 212

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<210> 213

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Universal primer for amplifying a fragment of cytochrome b
gene of animal species in polymerase chain reaction

<400> 213

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<210> 214

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer for amplifying a fragment of cytochrome b
gene of animal species in polymerase chain reaction

<400> 214

tagtagaaat gaatctgagg agg

22

<210> 215

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer for amplifying a fragment of cytochrome b
gene of animal species in polymerase chain reaction

<400> 215

atgcaaata ggaagtatca ttc

22

<210> 216

<211> 472

<212> DNA

<213> Aepyceros melampus

<220>

<400> 216

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caaccctnac ccgatttttc gcyytccact tcatcyttcc attcatcatt gggcactag	180
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cagattcaga taaaattcca ttccaccctt actatactat traagacatc ctaggaatcc	300
tattaataat tctagtccta atactcctag tactattcat acccgaccta ctaggagacc	360
cagacaanna catccccgca aaccctactca acacccctcc ccacatcaag cccgaatgg	420
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<210> 217

<211> 472

<212> DNA

<213> Oreamnos americanus

<400> 217

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caacccttac ccgattctt gccttcaact tcatcttc atttatcatc gcagccctag	180
ccatagtaca cctactctt ctccacgaaa cagggtccaa taacccaca ggaatctcat	240
cagacacaga caaaatccc tttcatcctt attacacaat caaagatatc cttaggcgcc	300
tattactaat tctagctta ttactcttag tattattcac acctgaccta cttggagacc	360
cagataacta caccaggca aacccactca acactcccc tcacattaaa ccagaatggt	420
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<210> 218

<211> 472

<212> DNA

<213> Addax nasomaculatus

<400> 218

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tcccatatac cgccacagac ctggtcgaat gaatctgagg aggattctcc gtagacaaag	120
caacccttac ccgatttttc gccttcaact ttattctccc ctttattatc gctgcccttg	180
ccatagtcca tctactctt ctccacgaaa caggctccaa caaccctaca ggaatctcct	240
cagacacaga caaaatccc ttccaccctt actataccat taaagacatc tttaggcgcc	300
tactactaat tctagtcctc atactactag tattattcac acccgaccta cttggagacc	360
cagacaatta tacccagca aatccactta gcacgcccc tcacatcaaa cctgaatgat	420
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<210> 219

<211> 472

<212> DNA

<213> Oryx damah

<400> 219

taccatgagg acaaatatca ttttgagggg caacagttat cactaacctt ctctcagcaa	60
tcccatatac cgccacaaat ctatgcgaat gaatttgagg gggattctcc gtagacaaag	120
caaccctcac ccgatttttc gccttcaact ttattctccc ttttattatc gctgcccttg	180
ccatagtcca cctactctt ctccacgaaa caggctccaa caaccctaca ggaatcacct	240
cagacacaga caaaattccg ttccaccctt attataccat taaagatatc tttaggcgcc	300
tactactaat cctagccctt atgttgctag tattattcgc acccgaccta cttggagacc	360
cagataatta tacaccagca aatccactta acacaccccc tcacatcaaa cccgaatgat	420
atttcctatt tgcatatgca atcttacgat caatcccaa caaacttagga gg	472

<210> 220

<211> 472
 <212> DNA
 <213> Hippotragus equinus
 <400> 220

taccatgagg acaaatatca	ttctgaggag caacagtcat caccaac ctc	ctctcagcaa	60
tcccatatat tggcacaaac	ctagtcgaat gaatctgagg gggattctcc	gtagacaaag	120
caaccctcac ccgatttttc	gccttccact ttattttcc ctatcatc actgccttg		180
ccatagtaca cctactttt	ctccatgaga caggctccaa caacccaca ggaatttgat		240
cagactccga taaaatcccc	ttccacccct actacaccat taaagacatt cttaggcgc		300
tactactaat tctagccctc	atactactag tactattcgc acccgaccta cttggagacc		360
cagacaacta tgccccagca	aacccactca acacggcccc tcacattaa cccgaatgat		420
attttttatt cgctacgca	attctacgat cgatccccaa taagctggaa gg		472

<210> 221
 <211> 472
 <212> DNA
 <213> Alcelaphus buselaphus
 <400> 221

tgccatgagg acaaatatca	ttctgagggg caacagtcat caccaat ctc	ctctcagcaa	60
tcccatatat tggcacagac	ctagtagaat gaatctgagg gggattctca	gtagacaaag	120
caacccttac ccgatttttt	gccttccact tcattttcc attcatcatt gcagcccttg		180
ccatagttca ccttttattc	ctccacgaaa caggatctaa caacccaca ggaatctcat		240
cagacgcaga taaaatcccc	ttccacccct actatacaat caaggacatt cttaggcgc		300
tattactaat tctagccctc	atactactag tactattcgc acccgacctg ctcggagacc		360
cagacaacta caccggcg	aacccactta acacggcccc tcacatcaag cccgaatgat		420
atttcctatt tgcatatgca	atcctacgat caatccctaa caaacttagga gg		472

<210> 222
 <211> 472
 <212> DNA
 <213> Sigmoceros lichtensteinii
 <400> 222

tgccatgagg acaaatatca	ttctgagggg caacagtcat caccaat ctc	ctctcagcaa	60
tcccatatat tggcacagac	ctagtagaat gaatctgagg aggattatca	gtagacaaag	120
caacccttac ccgatttttt	gccttccact tcattttccc attcatcatt gcagcccttg		180
ccatagttca ccttttattc	ctccacgaaa caggatctaa caacccaca ggaatctcg		240
cagacgcaga taaaatcccc	ttccacccct actatacaat caaggacatt cttaggcgc		300
tattactaat tctagccctc	atactactag tactattcgc acccgacctg ctcggagacc		360

cagacaacta caccggcg aacccactta acacaccccc tcacatcaag cccgaatgat	420
atttcctatt tgcatacgca atcctacgat caatccctaa caaacttagga gg	472

<210> 223

<211> 472

<212> DNA

<213> Beatragus hunteri

<400> 223

tgccatgagg acaaatatca ttctgaggag caacagtcat caccaacctc ctctcagcaa	60
ttccatatat tggtacaaac ctatcgaaat gaatctgagg aggcttctca gtagacaaag	120
caaccctcac ccgatttttc gctttccact ttattctccc atttatcatt acagcccttg	180
ccatagtcca ccttttattt ctccacgaaa caggatctaa caacccacaa ggaatctcg	240
cagatgcaga taaaattcca ttccacccct actacaccaat caaagacatc cttaggcgcc	300
tactactaat tctagccctc atattactag tactatttgc acccgacctg ctcggagacc	360
cagacaacta caccggcg aacccactta atacaccccc tcacatcaaa cccgaatgat	420
atttcctatt tgcatacgca atcctacgat caatccctaa taaacttagga gg	472

<210> 224

<211> 472

<212> DNA

<213> Damaliscus lunatus

<400> 224

tgccatgagg acaaatatca ttctgaggag caacagtcat cactaacctc ctctcagcaa	60
ttccatacat cgccacaaat ctatcgaaat ggatctgagg gggcttctca gtagacaaag	120
ccaccctcac ccgatttttc gccttccact tcatcttccc atttatcatt gtagctcttg	180
ccatagtgca ccttttattt ctccatgaaa caggatctaa caacccacaa ggaatctcat	240
cagatgcgga caaaatcccg tttcacccct actacactat caaagacgcc cttaggggcc	300
tactactaat tctagccctc atactactag tactatttgc acccgacctg ctcggagacc	360
cagacaacta caccggcg aacccactca acacgcccc tcacatcaag cccgagtgtat	420
atttcctatt cgccatacgca atcctacgat cgatcccaa cgagcttagga gg	472

<210> 225

<211> 472

<212> DNA

<213> Connochaetes taurinus

<400> 225

taccatgagg acaaataatcc ttttgaggag caacagtcat caccaacctc ctctcagcaa	60
tcccatacat tggactaac ctatcgaaat gaatctgagg gggattctca gtagacaaag	120
caacccttac ccgatttttc gccttccact tcattcctcc atttatcatc acagcccttg	180
ctatagtcca tctccttattc ctccacgaaa caggtatctaa caatcccaca ggaatttcat	240
ccgacaccga taaaatccca ttccccccctt attacaccat caaagacatc ctaggcgcctc	300
tattactaat tctagcccta atactactag tactattcgc gcccgattta cttggagacc	360
cagacaacta caccggcga aatccactca acacacccccc tcacatcaag cccgaatgat	420
acttccttatt tgcatatgca atcctacgat caatccccaa cggacttagga gg	472

<210> 226

<211> 472

<212> DNA

<213> *Bison bonasus*

<400> 226

taccatgagg acaaataatca ttttgaggag caacagtcat taccaacctc ctatcagcaa	60
tcccatacat cgccacaaat ctatcgaaat gaatctgagg cggattctca gtagacaaag	120
caacccttac ccgatttttc gctttccact ttatcctccc atttattatc atagcaattt	180
ccatagtcca cctactattc ctccacgaaa caggttctaa caatccaaca ggaatttctt	240
cagacacaga caaaattcca ttccaccctt actataccat taaagacatc ctaggagcct	300
tattactaat tctaactcta atactactag tactattcgc accggacctc ctcggagacc	360
cagataacta caccggcga aatccactta acacacctcc ccacatcaaa cccgaatgat	420
acttccttatt tgcatangca attttacggt caatccccaa caaacttagga gg	472

<210> 227

<211> 472

<212> DNA

<213> *Bos grunniens*

<400> 227

taccatgagg acaaataatca ttttgagggg caacagtcat taccaacctc ctatcagcaa	60
ttccatacat cgccacaaat ttagtcaat ggatttgagg tgggttctca gtagacaaag	120
caaccctcac ccgattcttc gctttccact ttatcctccc atttattattt acagcaattt	180
ccatagtcca cctactattc ctccacgaaa caggctccaa caatccaaca ggaatctcct	240
cagacgcaga caaaattcca ttccaccctt actataccat taaagacatc ttaggagcct	300
tattactaat tctagcccta atacttctgg tactattcac accggacctc ctcggagacc	360
cagacaacta caccggcga aatccactca acacacctcc ccacatcaaa cccgaatgat	420
acttccttatt tgcatacgca attttacgat caatccccaa taaacttagga gg	472

<210> 228

<211> 472

<212> DNA

<213> Bos tragocamelus

<400> 228

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tcccatacat cggcacaaac ctagttgaat gaatctgagg cgggttctca gtagacaaag	120
caaccctaac ccgattcttc gcttccact ttatcctccc attcatcatt gcagccctcg	180
caataatcca tctactcttc ctccatgaaa cagggtctaa caatccaaca ggaatttcat	240
cagacgcaga taaaatccc tttcacccct actacactat taaagacatt ctaggagccc	300
tactacttat tctagcccta ataatactag tactattcgc acccgacctc ctcggagacc	360
cagacaacta caccaggca aacccactta gcacacctcc ccatattaag cccgaatgg	420
atttcctgtt cgcatacgca attctacgat caatccccaa caaacttagga gg	472

<210> 229

<211> 472

<212> DNA

<213> Bubalus bubalis

<400> 229

tgccatgagg acaaatatca ttctgagggg caacagtcat caccaacctt ctctcagcaa	60
tcccatacat tggtacaagt ctgggtgaat gaatttgagg gggattctca gtagacaaag	120
caaccctcac ccgattcttc gcatttcaact tcatectccc attcattatc gcaggacttg	180
caatagtcca cctattattt ctccacgaaa cagggatccaa caacccaaca ggaatctcat	240
cagacacaga caaaatccc ttccacccct attacaccat taaagacatc ctaggcgccc	300
tactattaat cctagcccta atactattag tactattcgc acccgacctc ctcggggacc	360
cagacaacta caccaggca aacccactca acacacctcc ccacatcaag cctgaatgg	420
atttcctatt cgcatacgca atcttacgat caattcctaa caaacttagga gg	472

<210> 230

<211> 472

<212> DNA

<213> Bubalus mindorensis

<400> 230

tgccatgagg acaaatatca ttctgaggag caacagtcat caccaacctt ctctcagcaa	60
tcccatacat tggcacaaac ctagttgagt gaatttgagg gggattctca gtagacaaag	120
caaccctcac ccgattcttc gcatttcaact tcatectccc attcattatc gcaggacttg	180
caatagtcca cctattattt ctccacgaaa cagggatccaa caacccaaca ggaatctcat	240
cagacacaga caaaatccc ttccacccct actacaccat taaagacatt ctaggcgccc	300
tgcttattaat cctagcccta atactattag tactattcac acccgacctc ctcggggacc	360
cagacaacta caccaggca aacccactca acacacctcc ccacatcaaa cctgaatgg	420
atttcctatt cgcatacgca atcttacgat cagttcctaa caaacttagga gg	472

<210> 231

<211> 472

<212> DNA

<213> *Tragelaphus angasii*

<400> 231

tgccatgagg acaaatatca ttctgaggag caacggcat cacaaacctc ctatcagcaa	60
tcccatatat tggcaccaac ctagttgaat gaatctgagg aggcttctcg gtagacaagg	120
caaccctaac ccgatttttc gccttccact tcatectccc gtttattatt acagcgctgg	180
ttatggtcca cctattattc ctccatgaaa caggatccaa caacccaaca ggaatctcat	240
cagacataga caaaattcca ttccacccctt attacactat caaggacatc ctaggcgc(cc	300
tactattaat cctagcccta atagtaactag tactattcac acctgacccctc ctcggagacc	360
ccgacaacta caccggcagcg aacccctca atacacccctc ccataatcaaa cctgaatgtat	420
atccctgtt cgcatatgca atcctacgat ctatccccaa caagcttagga gg	472

<210> 232

<211> 472

<212> DNA

<213> *Tragelaphus eurycerus*

<400> 232

taccatgagg acaaatatca ttttgaggag caacagtcat cacaaacctt ctatcagcaa	60
tcccttatat tggcaccaggc ctagtcaat gaatctgagg gggctttca gtagacaaag	120
caaccctaac ccgatttttc gccttccact ttatccttcc atttattattt acagcactag	180
ccatggtaca cctactattc ctccacgaaa caggatccaa caacccaaca ggratctcat	240
craacataga caaaattcca ttccacccctt actacactat taaggacatc ctaggtgc(cc	300
tactgtaat cctaactcta atactccctag tactattcgc acccgacccctt ctcggagacc	360
ccgacaacta caccggcagcg aacccactca acacaccacc tcataatcaaa cctgaatgtat	420
acttccattt cgcatatgca atcctacgat caatccccaa taaacttagga gg	472

<210> 233

<211> 472

<212> DNA

<213> *Nemorhaedus caudatus*

<400> 233

taccatgagg acagatatca ttctgagggg caacagttat taccaatctt ctctcagcaa	60
tcccatatat tggcaccaac ctagtcaat gaatctgagg gggatttctca gtagacaaag	120
ctactctcac ccgatttttc gccttccact tcatectccc atttatttattt acagctactg	180
ctatagtcca cctacttttc ctccatgaga taggatccaa caacccaca ggtatccat	240
cagacataga caaaatccca ttccacccctt attatacaat caaagatattt ctaggcgc(ta	300

tactactaat cctcaccctt attttactgg tattattcac acctgactta cttggagatc	360
cagacaacta taccggcaggca aacccactca gcacacccccc tcacattaaa cctgaatgat	420
atttcctatt tgcatatgca atcttacgat caatccccaa taaacttaggc gg	472

<210> 234

<211> 472

<212> DNA

<213> Pseudois nayaur

<400> 234

tgccatgagg acaaataatca ttttgagggg caacagtcat caccaacctt ctctcagcaa	60
tccctatat tggcacaaat ctatcgaaat ggatctgagg gggattctca gtagacaagg	120
ccactctcac ccgattcttc gccttccact tcattcctccc atttatttatt atagccctcg	180
ccatagtcca cttactttc ctccacgaaa caggatctaa caacccacca ggaatccat	240
cagacacaga caaaatccca ttccaccctt actacaccat taaagatatt cttaggcgtg	300
cactgctaatt cctgcgcctg atattactag tattatattac acccgaccta ctcggagacc	360
cagacaacta caccggcaggca aacccactca acacacccccc tcacattaaa cccgagtgat	420
atttcctatt tgcatatgca atcttacgat caatccccaa caagcttagga gg	472

<210> 235

<211> 472

<212> DNA

<213> Ammotragus lervia

<400> 235

tgccatgagg acagatataatca ttctgagggg caacagtcat caccaacctt ctctcagcaa	60
tccctatacat tggcacagac ctgggtcgaaat gaatctgagg gggattctca gtagacaag	120
ctactctcac ccgattcttc gccttccact tcattcctccc attttaatc gcagccctag	180
ccatagtcca cttactttc ctccatgaaa cggatccaa caacccacca ggaatttcat	240
cagacgcaga caaaatccca ttccaccctt actacaccat caaagatatt cttaggcgc	300
tgctactaat cctcaccctc acactactag tactatattac acccgatcta ctcggggacc	360
cagacaacta taccggcaggca aatccactca acacacccccc tcatattaaa cctgaatgat	420
atttcctatt tgcatatgca atcttacgat caatccccaa taaactggga gg	472

<210> 236

<211> 472

<212> DNA

<213> Capra falconeri

<400> 236

taccatgagg acaaatatca ttctgagggg caacagtcat caccaatctc ctctcagcaa	60
tcccatatat tggcacaaac ctagtgaat gaatctgagg aggattctca gtagataaag	120
ccaccctcac ccgattttc gccttccact ttatcctccc attcatcatt gcaggcctcg	180
ccatagtcca cctactttc ctccacgaaa caggatccaa caatcccaca ggaattccat	240
cagacacaga caaaatccca ttccacccctt actacaccat taaagatatac ctggcgcca	300
tactactaat tctgccttg atgctactag tactattcac acctgaccta ctggagacc	360
cagataacta tatcccagca aatccactca atacaccccc tcatatcaaa cctgagtgg	420
acttcctatt tgcatatcgca atcctacgat caatcccaa caaactagga gg	472

<210> 237

<211> 472

<212> DNA

<213> Capra ibex

<400> 237

taccatgagg acaaatatca ttctgagggg caacagtcat cactaacctt ctctcagcaa	60
tcccatatat tggcacaaac ctagtgaat gaatctgagg gggattctca gtagacaaag	120
ccactctcac ccgattttc gccttccact tcattcctccc attcatcatt acagccctcg	180
ccatagtcca cctgtcttc ctccacgaaa cggttccaa caacccaca ggaattccat	240
cagacacaga caaaatccca ttccacccctt actacaccat taaagatatac ttggcgcca	300
tgctactaat tcttgtccta atattactag tactattcac acccgaccta ctggggacc	360
cagacaacta taccggcagca aatccactca atacaccccc tcacattaaa cctgaatgt	420
atttcctatt tgcatatcgca atcctacgat caattcccaa caaactaggg gg	472

<210> 238

<211> 472

<212> DNA

<213> Hemitragus jemlahicus

<400> 238

taccatgagg acagatatca ttctgagggg caacagtcat caccaacctt ctctcagcaa	60
ttcccatatat cggcacaaac ctagtgaat gaatctgagg aggattctca gtagacaaag	120
ctacccttaac ccgattttc gcttccact tcattcctccc attcatcatt gcagccctcg	180
ccatagtcca cctgtcttc ctccacgaaa cgggtccaa caacccaca gggattccat	240
cagatacaga caaaatccca ttccacccctt actacaccat taaagatatt ttggcgcca	300
tactactaat tcttgtccta atattactag tactatttat acccgaccta ctggagacc	360
cagacaacta taccggcagca aatccactca acacaccccc tcacattaaa cctgaatgt	420
atttcctatt tgcatatcgca atcctacgat caattcccaa caaactaggg gg	472

<210> 239

<211> 472

<212> DNA

<213> Rupicapra pyrenaica

<400> 239

taccatgagg acagatatca ttctgaggag caacagttat taccaatctc ctctcagcaa	60
tcccatacat tggcatagac tttagtcgagt gaatctgagg gggcttctcg gtagacaaaag	120
ctaccctcac ccgattcttt gccttcaact tcatectccc attcatcatt gcagcccttag	180
ccatagtcca cctactcttc ctccatgaaa caggatcaaa caacccaca ggaatcccat	240
cagatgcgga traaatccca tttcaccctt actataccat taaagacatt cttaggcgcca	300
tactactaat cctcaccctt atactactgg tactatttac acctgaccta ctcggagacc	360
cagataacta taccggcgg aacccactca acacacccccc tcacatcaaa cccgaatgtat	420
atttcttggt tgcatatgct atcctacgat caatccccaa caaacttgga gg	472

<210> 240

<211> 472

<212> DNA

<213> Rupicapra rupicapra

<400> 240

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tcccgtatat tggcacagac tttagtcgaat gaatctgagg aggcttctcg gtagacaagg	120
ctaccctcac ccgattcttt gccttcaact tcatectccc atttacatcatt gcagcccttag	180
cccttagtcca cctactcttc ctccacgaaa caggatctaa caacccaca ggaatcccat	240
cagatgcgga caaaaatccca tttnaccctt attataccat caaagacatt ctgggcgcca	300
tactactaat cctcaccctc atactactgg tactattnac acctgaccta ctcggagacc	360
cagataatata caccggcgg aacccactca acacacccccc tcacatcaaa cccgagtgtat	420
atttcttatt tgcatatgca attctacgat caatccccaa caaacttgga gg	472

<210> 241

<211> 472

<212> DNA

<213> Pantholops hodgsoni

<400> 241

taccatgagg acaaataatca ttctgaggag caacagtaat taccaacctc ctttcagcaa	60
tcccatacat tggcacagac ctatgtcaat gaatctgagg gggattctca gtagacaaaag	120
ctacccttac ccgattcttt gccttccatt tcattctccc attcatcattc gcagccctcg	180
ccatagtcca cctactcttc ctccacgaaa caggatccaa caacccaca ggaattcccat	240
cagatgcaga caaaaatccca tttcaccctt actataccat taaagacatc cttaggcgcta	300
tactactaat cctaattcttc atattactgg tactattttc acccgaccta ctcggagacc	360
cagacaatata taccggcgg aacccctca acacacccccc ccacatcaaa cctgaatggt	420
actttcttatt tgcatatgca atcctacgat caatccccaa caaacttagga gg	472

<210> 242

<211> 472

<212> DNA

<213> *Budorcas taxicolor taxicolor*

<400> 242

taccatgagg acaaataatca ttttgaggag caacagtcat taccaacctc ctctcagcaa	60
tcccatatat tggcacaaac ctagttgagt gaatctgagg aggattctca gtagacaaaag	120
catccctcac ccgattttt gccttcaact tcatacctccc atttatcatc gcagacacctg	180
ccatagtcca tttaactttc ctccacgaaa caggatccaa caacccaca ggaattccgt	240
cagatgcaga taaaattcca tttcaccctt attacaccat taaagatatac ctaggagtca	300
tactactaat cctcgccctc atgttgcgtat tactatttat acttgacgta cttggagacc	360
cagataatta taccggcagca aatccactca acacaccccc tcacatcaaa cctgaatgat	420
atttcctatt tgcatacgca atcttacgat caatccccaa caaacttagga gg	472

<210> 243

<211> 472

<212> DNA

<213> *Ovis ammon*

<400> 243

taccatgagg acaaataatca ttctgaggag caacagttat taccaacctc ctttcagcaa	60
ttccatatat tggcacaaac ctagtcgaat gaatctgagg gggattctca gtagacaaaag	120
ccaccctgac ccgattttc gccttcaact ttatTTCCC attcatcatc gcagccctcg	180
ccatagtcca cctactttc ctccacgaaa caggatccaa caacccaca ggaatccccat	240
cggacacaga taaaattccc ttccaccctt actacaccat taaagacatc ctaggtgccca	300
tcctactaat cctcaccctc atactactag tactattcac gcctgaccta ctcggagacc	360
cagacaacta caccggcagca aacccactta acactcccc tcacatcaaa cctgaatgat	420
acttcctatt tgcatacgca atcttacgat caatccctaa taaacttagga gg	472

<210> 244

<211> 472

<212> DNA

<213> *Ovis vignei*

<220>

<221> n

<222> 264-278

<223> unknown base

<400> 244

taccatgagg acaaataatca ttctgaggag caacagttat taccaacctc cttcagcaa	60
ttccatatat tggcacaaac ctatcgaaat gaatctgagg aggattctca gtagacaaag	120
ctaccctcac ccgatttttc gccttcaact ttatccc attcatcatc gcagccctcg	180
ctatagtca cctactcttc ctccacgaaa cagatccaa taacccaca ggaattccat	240
cggacacaga caaaatcccc ttcnnnnnnnnnnnnnat taaagacatt ctgggtgcca	300
tcctactaat cctcatcctc atgctgctag tactattcac gcctgactta ctggagacc	360
cagacaacta caccaggca aacccacta acactcccc tcacatcaaa cctgaatgat	420
atttcctatt tgcatatgca atcttacgat caatccctaa taaacttagga gg	472

<210> 245

<211> 472

<212> DNA

<213> Capcornis crispus

<400> 245

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ccatagtgc a cctacttttc ctccacgaaa caggatccaa caacccaca ggaatctcat	240
cagacacaga caaaatccca ttccacccct actacacaat caaagatatac cttaggcac	300
tgctactaat cctcaccctc atactactag tactgttac acccgaccta ctggagacc	360
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<211> 472

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<213> Ovibos moschatus

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ccaccctcac ccgattttttgccttcaact ttatcccatttcatc gttagccctcg	180
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cagacaacta taccaggca aacccacta acacaccccc tcacattaaa ccagagtgtat	420
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<210> 248

<211> 472

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<213> Cephalophus dorsalis

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cagataacta caccggcagca aacccactta acacacctcc ccatattaaa cccgaatgat	420
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<210> 249

<211> 472

<212> DNA

<213> Cephalophus maxwellii

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<210> 250

<211> 472

<212> DNA

<213> *Alces alces*

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<210> 251

<211> 472

<212> DNA

<213> *Hydropotes inermis*

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<210> 252

<211> 472

<212> DNA

<213> *Muntiacus muntjak*

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<210> 253

<211> 472

<212> DNA

<213> *Cervus elaphus kansuensis*

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cagacaacta taccggcagca aatccactca atacacccccc tcacataaa cctgaatgat	420
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<210> 254

<211> 472

<212> DNA

<213> *Cervus elaphus xanthopygus*

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<210> 255

<211> 472

<212> DNA

<213> *Cervus elaphus canadensis*

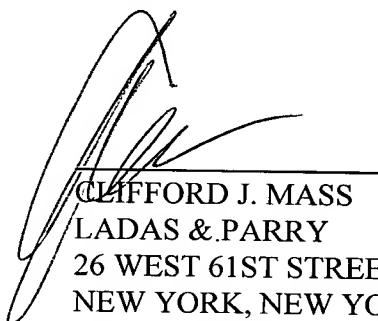
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REMARKS

The above amendatory action is taken to correct the errors in the Sequence Listing noted in the Official Communication of May 21, 2002. In addition to a paper copy of the Sequence Listing, a computer readable copy of the Sequence Listing and the requisite statements are submitted herewith.

Respectfully submitted,



CLIFFORD J. MASS
LADAS & PARRY
26 WEST 61ST STREET
NEW YORK, NEW YORK 10023
REG. NO.30,086(212)708-1890